

# ***PARTS LIST***

## **LU-2828ES-7 PARTS LIST**

下記 URL (PARTS Website/PC サイト) より、便利な検索機能のついた Web Parts Book をご利用頂けます。  
ご利用には会員登録が必要です。(無料)

<https://juki.aftama.com/JUKI/JA>

You can use a Web Parts Book with a convenient search function from the URLs (PARTS Website/PC-site) below. To use the PARTS Website, free membership registration is required.

<https://juki.aftama.com/JUKI/EN>



## HOW TO MAKE USE OF THIS PARTS LIST

### 1.Explanation of codes

1)“\*”mark.....means this part is changed from the previous parts book.

As to the details of the change,refer to “List for information of change”.

2)“#01”.....refer to “Note” explanation at bottom of page.

### 2.Codes on the “Qty” column

• Each numeral indicates the number of parts required.

• “0.1” and “2.5” indicate the length (in meters) of the respective parts.

3.Parentheses mean that the corresponding part is a subpart that constructs an assembly part.

4.Dotted lines on the Figures indicate assembly parts.

5.As to the parts with marks of “☆”(consumable parts) and “◎”(optional parts)on the respective parts,  
it is recommended to prepare spares.

## パーツリストご利用に際して

### 1.“注記”欄の記号説明

1) “\*”印 ..... 前回のパーツブックに比較して今回変更された部品を意味します。

変更内容は“変更情報リスト”を参照してください。

2) “#01” ..... ページ下の“注記”の説明を参照してください。

2.数量欄の数字は、個数を表し、0.1、2.5等の数値は、長さ（単位メートル）を表します。

3.数量欄の（ ）は、組部品を構成している子部品であることを意味します。

4.イラストページの-----枠は、組構成であることを意味します。

5.リストページの“☆”（消耗部品）、“◎”（オプション部品）の印がついた部品は、  
予備を準備しておくことをお奨めします。

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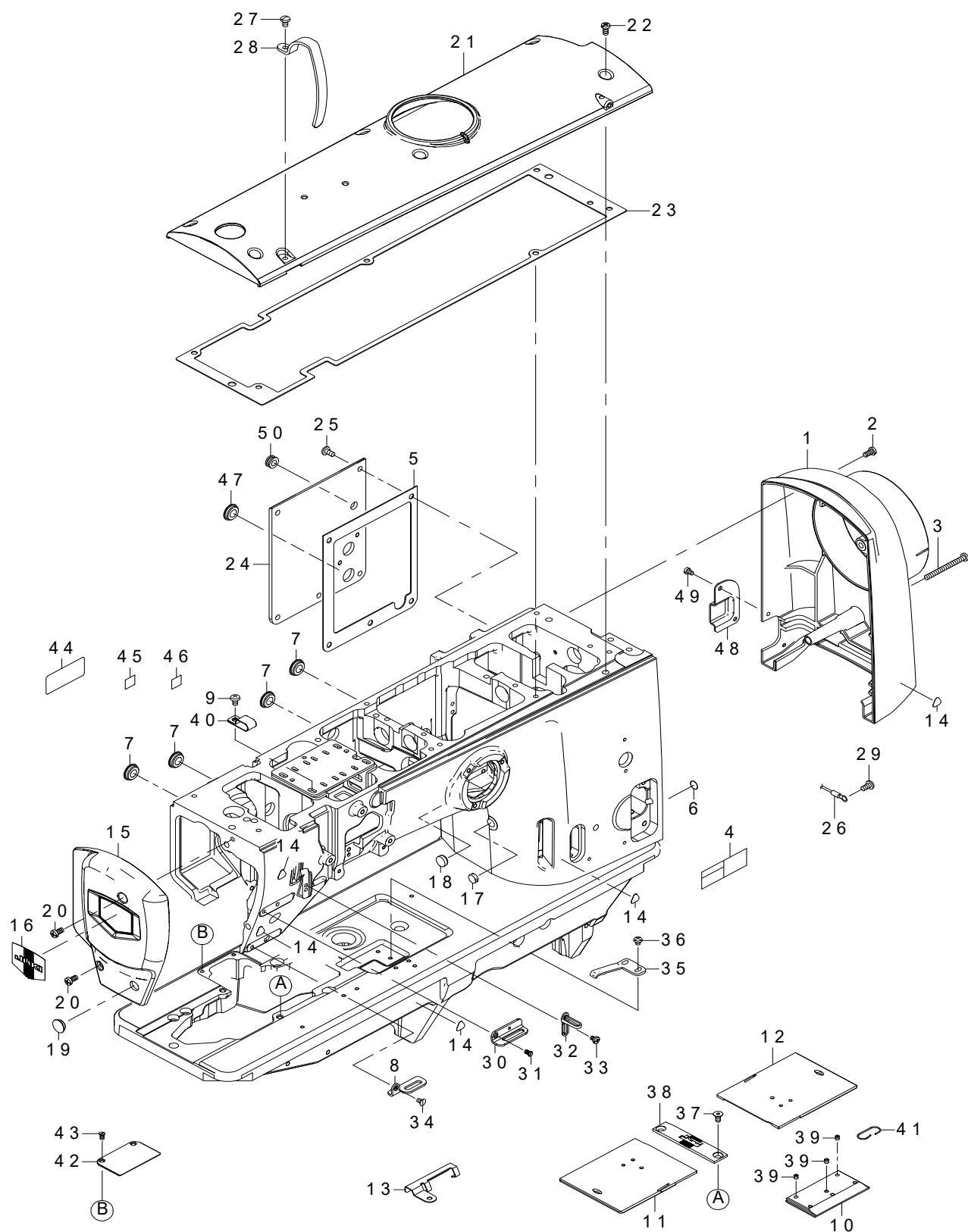
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# 1. FRAME & MISCELLANEOUS COVER COMPONENTS

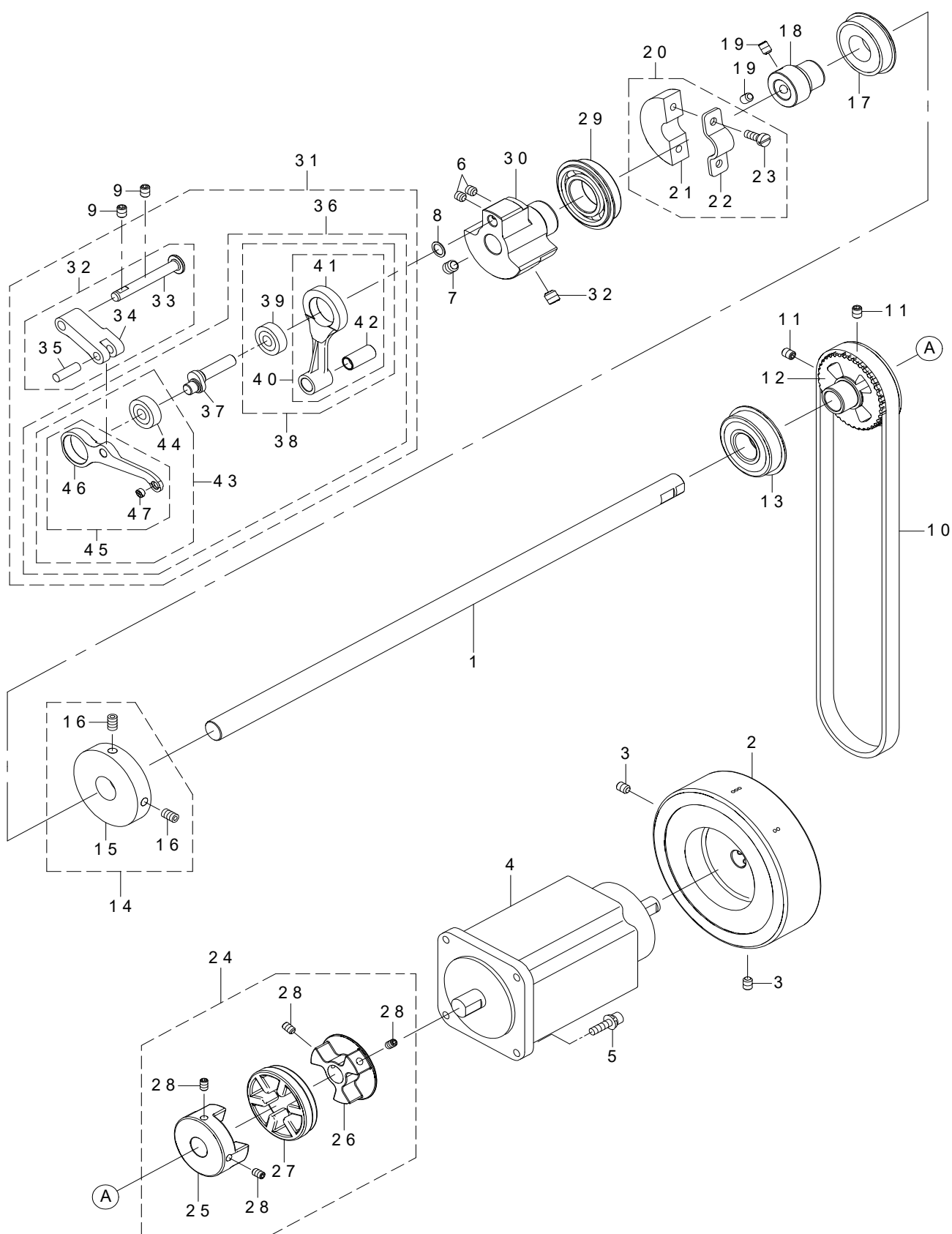
頭部・外装関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                 | 品 名                | Qty |
|--------|------|---------------|-----------------------------|--------------------|-----|
| 1      |      | 401-89273     | MOTOR_COVER_2828ES          | モーターカバー2828ES (完成) | 1   |
| 2      |      | SM-4051055-SP | SCREW                       | なべねじ               | 2   |
| 3      |      | SM-4055501-SC | SCREW_M5X0.8_L=55           | なべねじ M5X0.8 L=55   | 1   |
| 4      |      | 401-02261     | SAFETY_LABEL_S              | 安全ラベル              | 1   |
| 5      |      | 401-51799     | WINDOW_PLATE_PACKING        | 窓板パッキン             | 1   |
| 6      |      | 229-01805     | GROUND_MARK                 | グラウンドマーク           | 1   |
| 7      |      | TA-1650406-R0 | PLUG                        | 止栓 D=17 L=3.5      | 4   |
| 8 ☆    |      | 401-69642     | THREAD_GUIDE_B              | 糸案内_B              | 1   |
| 9      |      | SM-4050855-SP | SCREW                       | なべねじ M5 L=8        | 2   |
| 10     |      | 401-47918     | SLIDE_PLATE_FRONT           | 正面滑り板              | 1   |
| 11     |      | 401-27056     | SLIDE_PLATE_2860R           | スライドプレート_2860R     | 1   |
| 12     |      | 401-47944     | SLIDE_PLATE_2810R           | 滑り板_2810R          | 1   |
| 13     |      | 401-34805     | CABLE HOLDER                | ケーブルホルダー           | 1   |
| 14     |      | CM-3002000-01 | ATTENTION_SEAL              | 指けが注意シール (16)      | 5   |
| 15     |      | 401-30704     | FACE_PLATE                  | 面板                 | 1   |
| 16     |      | 229-02506     | FACE_PLATE                  | 面板化粧板              | 1   |
| 17     |      | TA-1030402-R0 | RUBBER_PLUG_D=10.3_L=4      | 止栓 D=10.3 L=4      | 1   |
| 18     |      | TA-1270502-R0 | RUBBER_PLUG                 | 止栓                 | 1   |
| 19     |      | TA-1250406-R0 | RUBBER_PLUG_D=12.5_L=4      | 止栓 D=12.5 L=4      | 1   |
| 20     |      | SM-4051055-SP | SCREW                       | なべねじ               | 2   |
| 21     |      | 401-30706     | TOP_COVER                   | トップカバー             | 1   |
| 22     |      | SM-4051055-SP | SCREW                       | なべねじ               | 6   |
| 23     |      | 401-47919     | TOP_COVER_PACKING           | トップカバーパッキン         | 1   |
| 24     |      | 401-49040     | APERTURE_COVER              | 背面カバー              | 1   |
| 25     |      | SM-4051055-SP | SCREW                       | なべねじ               | 5   |
| 26     |      | 229-51552     | GROUND_WIRE_ASM.            | アースコード(組)          | 1   |
| 27     |      | SM-4040855-SP | SCREW                       | なべねじ               | 1   |
| 28     |      | 401-34834     | THREAD_TAKE_UP_LEVER_COVER  | 天秤カバー              | 1   |
| 29     |      | SM-4051055-SP | SCREW                       | なべねじ               | 1   |
| 30 ☆   |      | 401-69689     | THREAD_GUIDE_A              | 糸案内A               | 1   |
| 31     |      | SM-1040750-TP | SCREW_M4_L=7                | 皿小ねじ M4 L=7        | 1   |
| 32 ☆   |      | 401-26221     | THREAD_GUIDE                | 天秤糸案内              | 1   |
| 33     |      | SM-4040655-SP | SCREW_M4_L=6                | なべ小ねじ M4 L=6       | 1   |
| 34     |      | SM-1040750-TP | SCREW_M4_L=7                | 皿小ねじ M4 L=7        | 1   |
| 35     |      | B1111-563-000 | BED_SLIDE_SPRING            | 滑り板ばね              | 1   |
| 36     |      | SM-4040655-SP | SCREW_M4_L=6                | 皿小ねじ M4 L=6        | 2   |
| 37     |      | SM-1051052-TN | PLATE_SCREW_M5_L=10         | 皿ねじ M5 L=10        | 2   |
| 38     |      | 401-47939     | THROAT_PLATE                | 針板                 | 1   |
| 39     |      | SM-8040412-TP | SET_SCREW_M4_L=4            | 止めねじ               | 3   |
| 40     |      | D2112-555-B00 | CORD HOLDER_LARGE           | コード止め金具 A          | 3   |
| 41     |      | B1111-051-00B | SPRING                      | 滑り板ばね              | 1   |
| 42     |      | 401-31625     | AUXILIARY_COVER             | 補助カバー              | 1   |
| 43     |      | SM-1040750-TP | SCREW_M4_L=7                | 皿小ねじ M4 L=7        | 2   |
| 44     | #01  | 400-94561     | SEWING_MACHINE_LABEL_(EU)   | 単体頭部銘板 (EU)        | 1   |
| 45     | #01  | CM-6001001-01 | WEEE_MARK_LABEL_S           | WEEE マーク ラベル S     | 1   |
| 46     | #01  | 401-50131     | EAC_MARK_LABEL_S            | EACマークラベルS         | 1   |
| 47     |      | TA-1650406-R0 | PRUG                        | 止栓 D=17 L=3.5      | 1   |
| 48     |      | 401-49041     | ADDITIONAL_MOTOR_COVER_2820 | 補助モーターカバー_2820     | 1   |
| 49     |      | SM-6040600-SP | SCREW_M4_L=6                | 平ねじ M4 L=6         | 2   |
| 50     |      | HX-0005500-0E | RUBBER_BUSHING              | ゴムブッシュ             | 1   |
|        |      | NOTE(注記)      | #01....FOR JE               | JE 用               |     |

## 2. MAIN SHAFT & THREAD TAKE-UP LEVER COMPONENTS

上軸・天秤関係

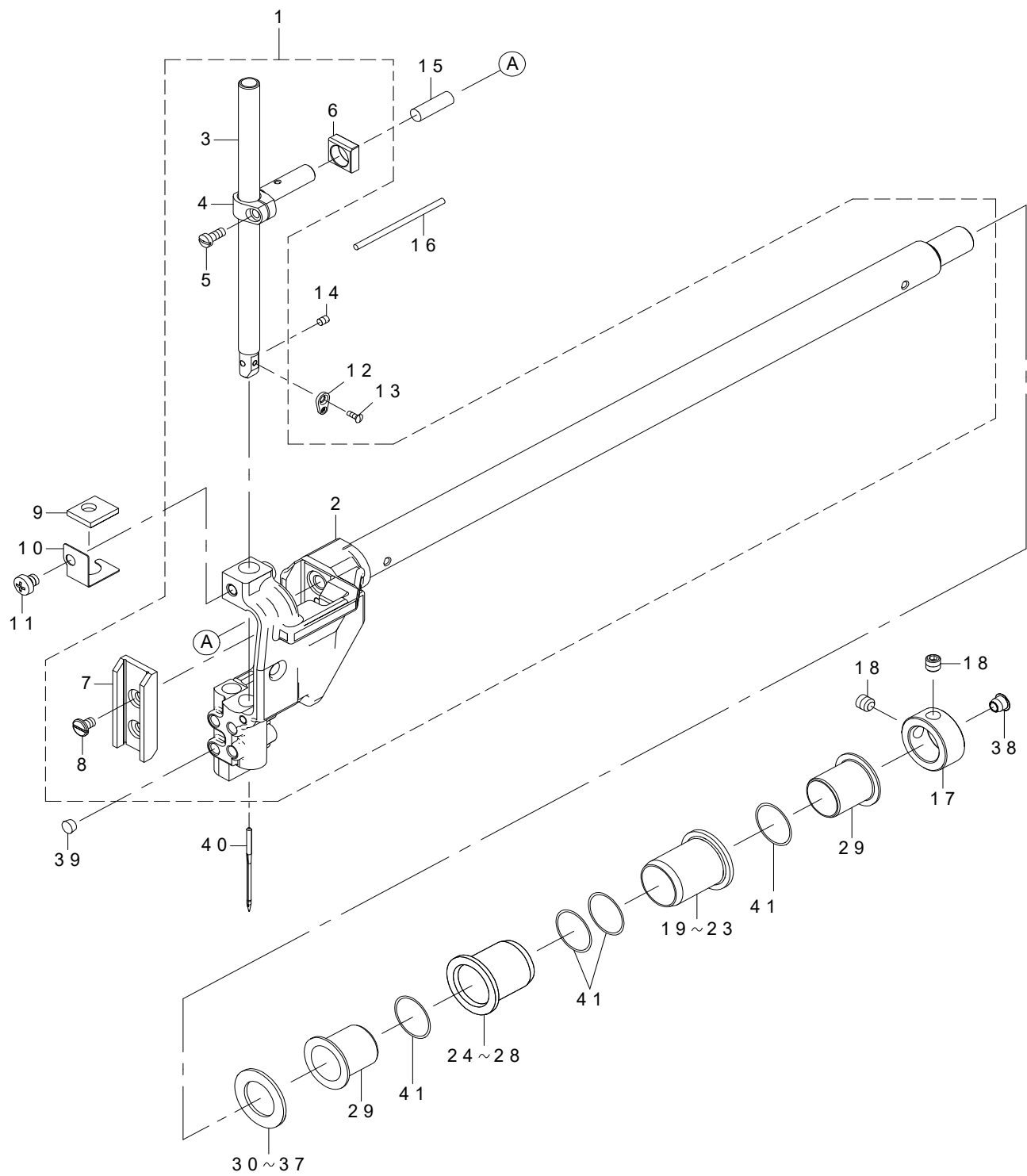




| REF.NO | NOTE | PART NO       | DESCRIPTION                    | 品 名                | Qty |
|--------|------|---------------|--------------------------------|--------------------|-----|
| 1      |      | 401-12087     | MAIN_SHAFT_DD                  | 上軸_DD用             | 1   |
| 2      |      | 401-69644     | HAND_WHEEL                     | はずみ車               | 1   |
| 3      |      | SM-80608A2-TP | SCREW M6 L=8                   | 六角穴付き止めねじ M6 L=8   | 2   |
| 4      |      | 401-69647     | SERVO_MOTOR_800W               | サーボモータ800W         | 1   |
| 5      |      | SL-6052092-TN | SCREW M5 L=20                  | 座金付き六角穴ボルト M5 L=20 | 4   |
| 6      |      | SM-8060612-TP | SCREW M6 L=6                   | 止めねじ M6 L=6        | 2   |
| 7      |      | SM-8080812-TP | SCREW M8X8                     | 止めねじ M8 L=8        | 2   |
| 8      |      | WP-0820516-SP | WASHER 11.6X8.2X0.6            | 平座金 8.2X11.6X0.6   | 1   |
| 9      |      | SM-8060812-TP | SCREW M6 L=8                   | 止めねじ M6 L=8        | 2   |
| 10 ☆   |      | 401-12274     | TIMING_BELT                    | タイミングベルト           | 1   |
| 11     |      | SM-80608A2-TP | SCREW M6 L=8                   | 六角穴付き止めねじ M6 L=8   | 2   |
| 12     |      | 401-26321     | SPROCKET_UPPER                 | 上スプロケット            | 1   |
| 13     |      | 401-43088     | BEARING                        | ころがり軸受             | 1   |
| 14     |      | 400-10533     | BTW_DRIVING_WHEEL_ASM.         | 糸巻き駆動車(組)          | 1   |
| 15     |      | 400-10534     | BTW_DRIVING_WHEEL              | 糸巻き駆動車             | (1) |
| 16     |      | 400-10535     | DRIVING_WHEEL_SCREW            | 糸巻き駆動車止めねじ         | (2) |
| 17     |      | SB-1200018-00 | BEARING                        | ころがり軸受             | 1   |
| 18     |      | 236-05207     | MAIN SHAFT BEARING SUPPORT     | 上軸前ベアリング受          | 1   |
| 19     |      | SM-80608A2-TP | SCREW M6 L=8                   | 六角穴付き止めねじ M6 L=8   | 2   |
| 20     |      | 400-10437     | CRANK_BALANCER_ASM             | バランス(組)            | 1   |
| 21     |      | 400-10438     | CRANK_BALANCER                 | バランス               | (1) |
| 22     |      | 400-10439     | CRANK_BALANCER_FIX_PLATE       | バランス止め板            | (1) |
| 23     |      | 400-10440     | CRANK_BALANCER_FIX_PLATE_SCREW | バランス止めねじ           | (2) |
| 24     |      | 401-12312     | COUPLING_ASSY                  | カップリング(組)          | 1   |
| 25     |      | 401-30277     | HUB_L                          | カップリングハブL          | (1) |
| 26     |      | 401-12106     | HUB_R                          | カップリングハブR          | (1) |
| 27     |      | 401-25950     | SPIDER                         | カップリングゴム           | (1) |
| 28     |      | SM-8050812-TP | SCREW M5X8                     | 止めねじ M5X0.8 L=8    | (4) |
| 29     |      | 401-43083     | BEARING                        | ころがり軸受             | 1   |
| 30     |      | 401-12091     | COUNTER_WEIGHT                 | 釣合錘                | 1   |
| 31     |      | 401-82477     | THREAD_TAKE_UP_COMP_L          | 天秤(総組)L            | 1   |
| 32     |      | 401-43077     | TAKE_UP_CRANK_ASM              | 天秤クランク(組)          | (1) |
| 33     |      | 400-11902     | THREAD_TAKE_UP_CRANK_SHAFT     | 天秤クランク軸            | (1) |
| 34     |      | 401-25930     | TAKE_UP_LEVER_CRANK            | 天秤クランク             | (1) |
| 35     |      | 107-21504     | FEED_ADJUSTING_PIN             | 送り調節ピン             | (1) |
| 36     |      | 401-82476     | THREAD_TAKE_UP_ASM_L_B         | 天秤(組)L_B           | (1) |
| 37     |      | 401-12092     | NEEDLE_BAR_CRANK               | 針棒クランク             | (1) |
| 38     |      | 401-82475     | NEEDLE_BAR_CRANK_ROD_COMP      | 針棒クランクロッド(総組)      | (1) |
| 39     |      | SB-1080024-00 | BEARING                        | ころがり軸受             | (1) |
| 40     |      | 401-82474     | NEEDLE_BAR_CRANK_ROD_ASM       | 針棒クランクロッド(組)       | (1) |
| 41     |      | 401-81687     | NEEDLE_BAR_CRANK_ROD           | 針棒クランクロッド          | (1) |
| 42     |      | 401-12094     | CRANK_ROD_BUSH                 | 針棒クランクロッドブッシュ      | (1) |
| 43     |      | 401-60242     | THREAD_TAKE_UP_ASM_L_A         | 天秤(組)L_A           | (1) |
| 44     |      | SB-1080024-00 | BEARING                        | ころがり軸受             | (1) |
| 45     |      | 401-34545     | THREAD_TAKE_UP_ASM             | 天秤(組)              | (1) |
| 46     |      | 401-34532     | THREAD_TAKE_UP                 | 天秤                 | (1) |
| 47     |      | 105-46901     | BUSH                           | ブッシュ               | (1) |

3. NEEDLE BAR COMPONENTS

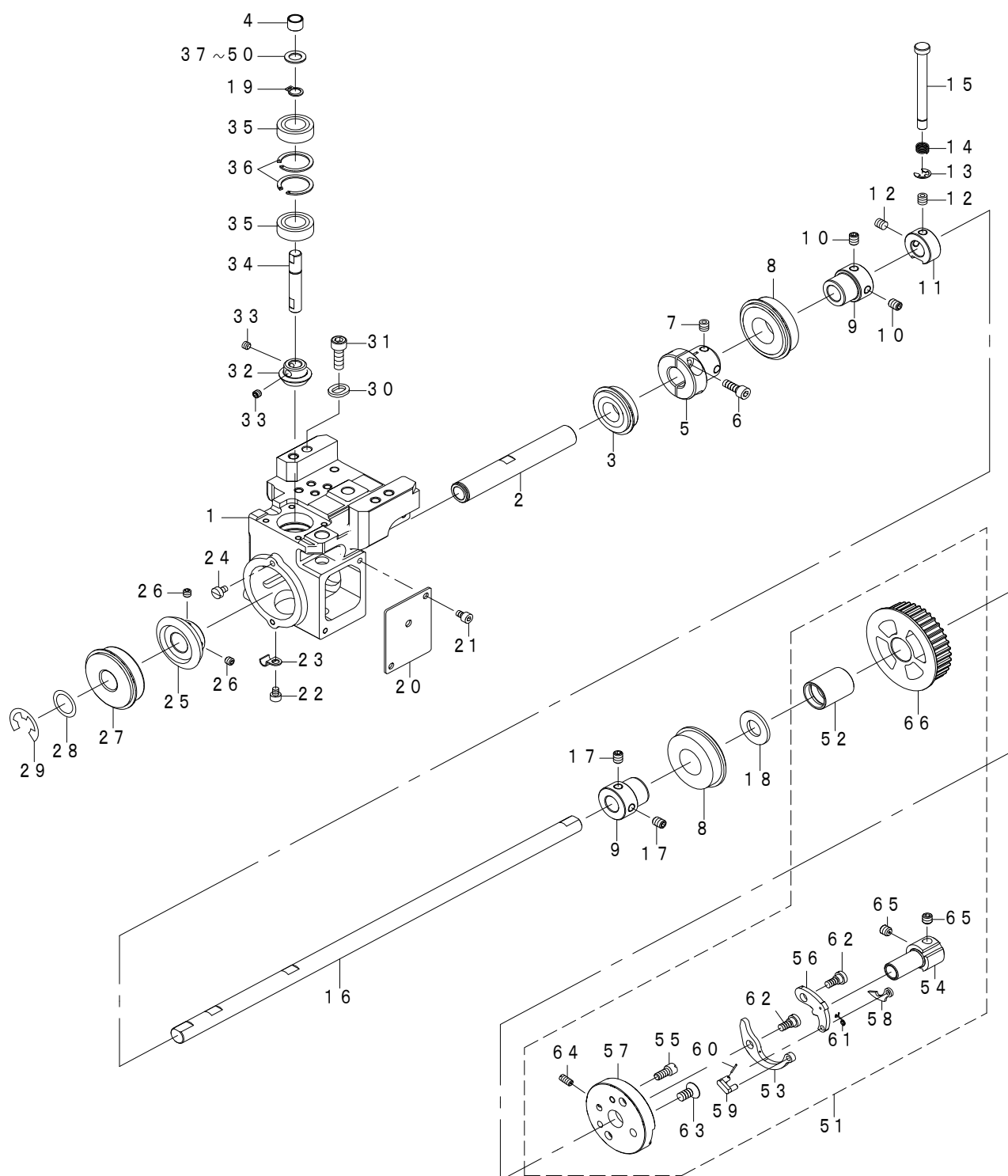
針棒関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                     | 品 名                | Qty  |
|--------|------|---------------|---------------------------------|--------------------|------|
| 1      |      | 401-69656     | N_B_ROCKING_BASE_ASM_2800ES     | 針棒揺動台(組)2800ES     | 1    |
| 2      |      | 401-69659     | N_B_ROCKING_BASE_ASM_ES         | 針棒揺動台(組)ES         | (1)  |
| 3      |      | 401-69657     | NEEDLE_BAR_2800ES               | 針棒2800ES           | (1)  |
| 4      |      | 401-69658     | NEEDLE BAR CONNECTION           | 針棒抱き               | (1)  |
| 5      |      | SS-7090910-TP | SCREW 9/64-40 L=8.5             | 丸平ねじ 9/64-40 L=8.5 | (1)  |
| 6      |      | 401-12152     | NEEDLE_ROD_SQUARE_BLOCK         | 針棒案内コ口             | (1)  |
| 7      |      | 401-27041     | NEEDLE_BAR_GUIDE                | 針棒ガイド              | (1)  |
| 8      |      | SM-6040650-TP | SCREW                           | 平ねじ M4 L=6         | (2)  |
| 9      |      | 401-12272     | NEEDLE_BAR_FELT_E               | 針棒フェルト_E           | 1    |
| 10     |      | 401-12270     | FELT HOLDER                     | フェルト押え             | 1    |
| 11     |      | SM-4050501-SC | SCREW M5X0.8 L=5                | なべ小ねじ M5X0.8 L=5   | 1    |
| 12     |      | 401-43221     | NEEDLE_BAR_THREAD_GUIDE_2810A   | 針棒糸掛け_2810A        | 1    |
| 13     |      | SS-2060310-SP | SCREW 3/32-56 L=3               | 丸皿ねじ 3/32-56 L=3   | 1    |
| 14     |      | SS-8080410-TP | SCREW 1/8-44 L=3.5              | 止めねじ 1/8-44 L=3.5  | 1    |
| 15     |      | B1412-051-000 | FELT                            | 針棒抱きフェルト           | 1    |
| 16     |      | CQ-2520000-00 | COTTON OIL WICK D=2.5           | 木綿油芯 D=2.5         | 0.05 |
| 17     |      | CS-1701181-TP | THRUST COLLAR D=17 W=11         | スラスト受 D=17 W=11    | 1    |
| 18     |      | SM-8060612-TP | SCREW M6 L=6                    | 止めねじ M6 L=6        | 2    |
| 19     | #01  | 401-71403     | NEE_BAR_ROCKING_SHAFT_B_BUSHING | 揺動後メタルブッシュA        | 1    |
| 20     | #01  | 401-69649     | NEE_BAR_ROCKING_SHAFT_B_BUSHING | 揺動後メタルブッシュB        | 1    |
| 21     | #01  | 401-69650     | NEE_BAR_ROCKING_SHAFT_B_BUSHING | 揺動後メタルブッシュC        | 1    |
| 22     | #01  | 401-74557     | NEE_BAR_ROCKING_SHAFT_B_BUSHING | 揺動後メタルブッシュD        | 1    |
| 23     | #01  | 401-74558     | NEE_BAR_ROCKING_SHAFT_B_BUSHING | 揺動後メタルブッシュE        | 1    |
| 24     | #01  | 401-69652     | NEE_BAR_ROCKING_SHAFT_F_BUSHING | 揺動前メタルブッシュA        | 1    |
| 25     | #01  | 401-69653     | NEE_BAR_ROCKING_SHAFT_F_BUSHING | 揺動前メタルブッシュB        | 1    |
| 26     | #01  | 401-69654     | NEE_BAR_ROCKING_SHAFT_F_BUSHING | 揺動前メタルブッシュC        | 1    |
| 27     | #01  | 401-74559     | NEE_BAR_ROCKING_SHAFT_F_BUSHING | 揺動前メタルブッシュD        | 1    |
| 28     | #01  | 401-74560     | NEE_BAR_ROCKING_SHAFT_F_BUSHING | 揺動前メタルブッシュE        | 1    |
| 29     |      | 401-69651     | ROCKING_SHAFT_PLASTIC_BUSHING   | 揺動軸メタル             | 2    |
| 30     | #01  | B1438-512-B00 | WASHER 17.1X28X1.5              | 揺動軸メタル座金 T=1.5     | 1    |
| 31     | #01  | 226-06206     | SPACER Y                        | 針落ちスペーサY           | 1    |
| 32     | #01  | 226-06305     | SPACER Z                        | 針落ちスペーサZ           | 1    |
| 33     | #01  | 226-07600     | SPACER A                        | 針落ちスペーサA           | 1    |
| 34     | #01  | 226-07709     | SPACER B                        | 針落ちスペーサB           | 1    |
| 35     | #01  | 226-07808     | SPACER D                        | 針落ちスペーサD           | 1    |
| 36     | #01  | 226-07907     | SPACER E                        | 針落ちスペーサE           | 1    |
| 37     | #01  | 226-06404     | SPACER F                        | 針落ちスペーサF           | 1    |
| 38     |      | TA-0620504-R0 | CAP                             | 止栓                 | 1    |
| 39     |      | TA-0500301-R0 | PLUG 5X5.8 L=3                  | 止栓 5X5.8 L=3       | 4    |
| 40     | ☆    | MC-3210014-00 | NEEDLE 134-35 #140              | 針 134-35 #140      | 1    |
| 41     |      | 401-78188     | O-RING                          | Oリング               | 4    |
|        |      | NOTE(注記)      | #01.....SELECTIVE PARTS         | 選択部品               |      |

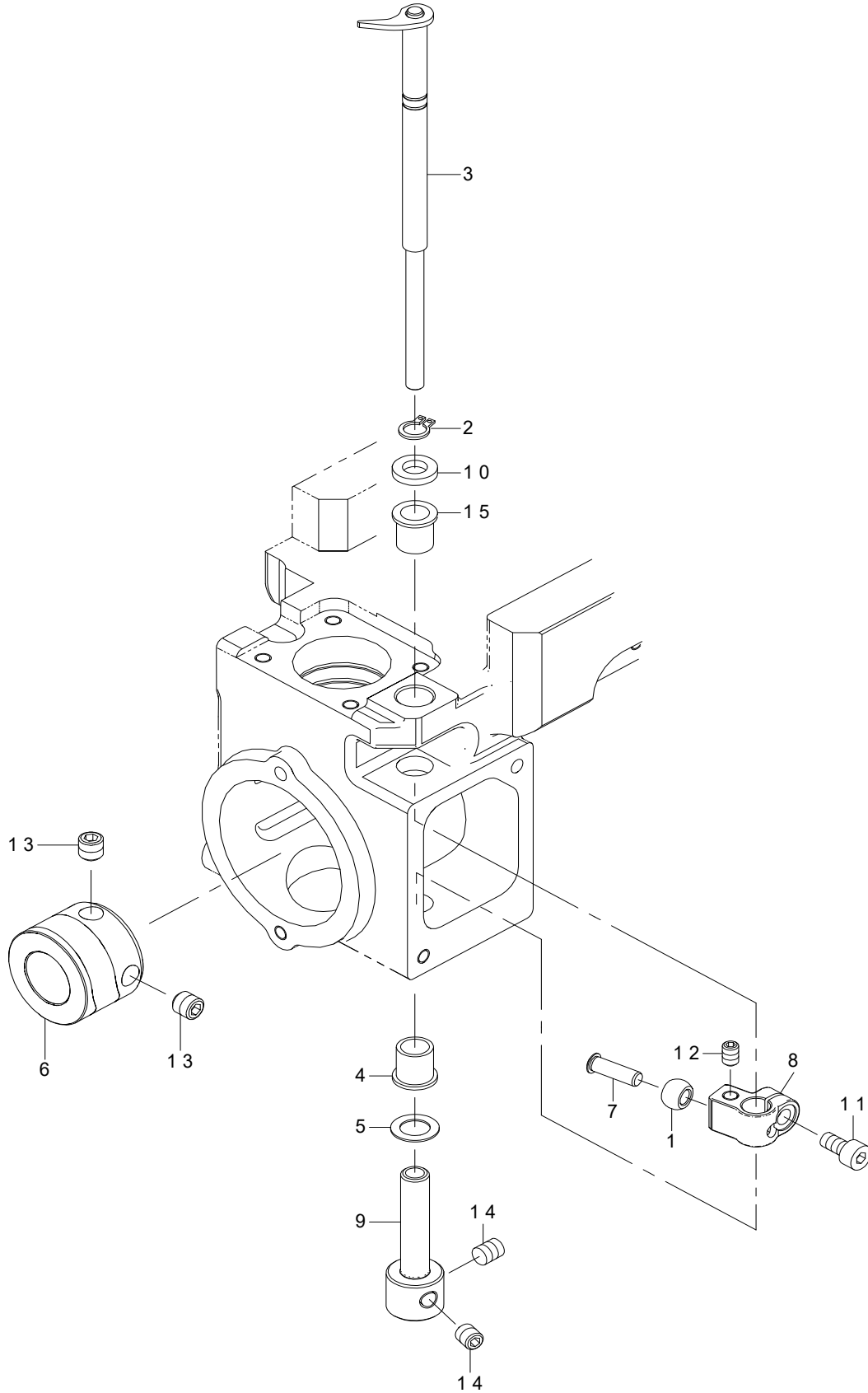
#### 4. LOWER SHAFT COMPONENTS

下軸関係



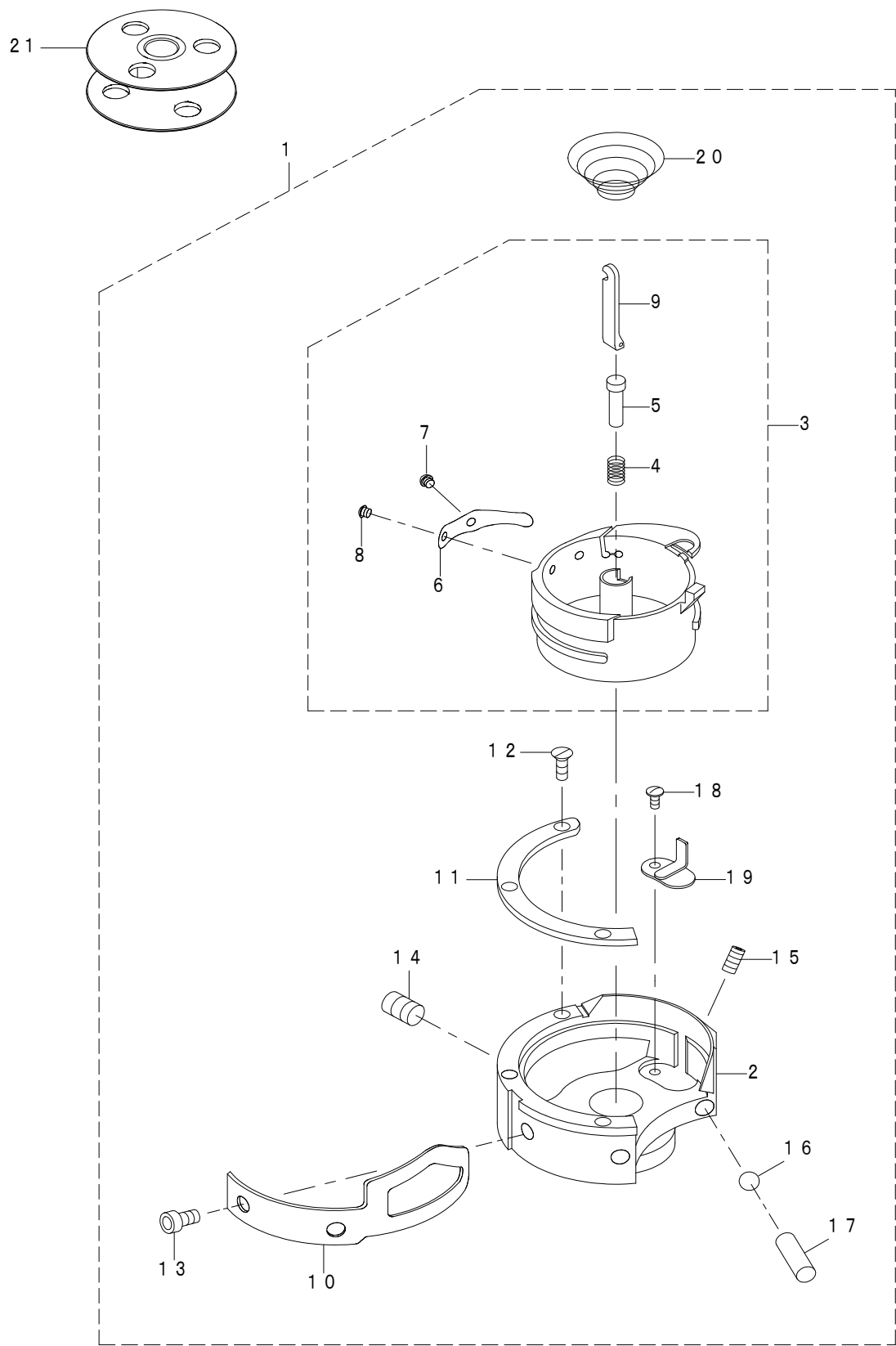
| REF.NO | NOTE | PART NO       | DESCRIPTION                     | 品 名                 | Qty |
|--------|------|---------------|---------------------------------|---------------------|-----|
| 1      |      | 401-89275     | HOOK_SHAFT_BASE_RIGHT_TC_2828ES | 釜軸台 (右) 2828ES      | 1   |
| 2      |      | 401-69662     | LOWER_SHAFT_C                   | 下軸C                 | 1   |
| 3      |      | 401-43082     | BEARING                         | ころがり軸受              | 1   |
| 4      |      | 401-26382     | HOOK_SHAFT_COLLAR               | 釜軸カラー               | 1   |
| 5      |      | 401-69664     | CONNECTING_COLLAR               | 連結軸                 | 1   |
| 6      |      | SM-6051202-TP | SCREW M5X0.8 L=12               | 六角穴ボルト M5X0.8 L=12  | 2   |
| 7      |      | SM-80606A2-TP | SCREW M6 L=6                    | 六角穴付き止めねじ M6 L=6    | 2   |
| 8      |      | SB-1200018-00 | BEARING                         | ころがり軸受              | 2   |
| 9      |      | 401-69668     | BEARING_COLLAR                  | ベアリングカラー            | 2   |
| 10     |      | SM-8060812-TP | SCREW M6 L=8                    | 止めねじ M6 L=8         | 2   |
| 11     |      | 401-69673     | SAFETY CLUTCH DISC              | 安全装置円板              | 1   |
| 12     |      | SM-80606A2-TP | SCREW M6 L=6                    | 六角穴付き止めねじ M6 L=6    | 2   |
| 13     |      | RE-0500000-K0 | E-RING                          | E形止め輪 5             | 1   |
| 14     |      | B1639-051-000 | SPRING                          | 押しボタンばね             | 1   |
| 15     |      | 401-12240     | SAFETY_REVERSE_BUTTON           | 解除押しボタン             | 1   |
| 16     |      | 401-69667     | LOWER_SHAFT                     | 下軸                  | 1   |
| 17     |      | SM-80606A2-TP | SCREW M6 L=6                    | 六角穴付き止めねじ M6 L=6    | 2   |
| 18     |      | WP-1252210-SC | WASHER 12.5X25.6X2.2            | 平座金 12.5X25.6X2.2   | 1   |
| 19     |      | RC-0740816-K0 | C-RING 8 (7.4)                  | C形止め輪 8 (7.4)       | 1   |
| 20     |      | 401-23340     | HOOK_SHAFT_BASE_SIDE_PLATE      | 釜軸台側面カバー            | 1   |
| 21     |      | SM-6040602-TP | SCREW M4X0.7 L=6                | 六角穴ボルト M4X0.7 L=6   | 2   |
| 22     |      | SM-6040502-TP | SCREW M4X0.7 L=5                | 六角穴ボルト M4 L=5       | 1   |
| 23     |      | B3538-112-000 | OIL RETURN TUBE HOLDER          | 還流 パイプ押え            | 1   |
| 24     |      | SM-6040650-TP | SCREW                           | 平ねじ M4 L=6          | 2   |
| 25     |      | 401-26372     | LOWER_SHAFT_GEAR                | 下軸歯車 (大)            | 1   |
| 26     |      | SM-80506A2-TP | SCREW M5 L=6                    | 六角穴付き止めねじ M5 L=6    | 2   |
| 27     |      | 401-43084     | BUSHING                         | ラジアル軸受              | 1   |
| 28     |      | D1231-555-B00 | WASHER                          | スラスト座金              | 1   |
| 29     |      | RE-1200000-K0 | E-RING 12                       | E形止め輪 12            | 1   |
| 30     |      | 401-39043     | HOOK_SHAFT_BASE_WASHER_2810     | 釜軸台座金2810           | 2   |
| 31     |      | SM-6061802-TP | SCREW M6 L=18                   | 六角穴ボルト              | 2   |
| 32     |      | 401-69666     | HOOK_SHAFT_GEAR                 | 釜軸歯車 (小)            | 1   |
| 33     |      | SM-8050412-TP | SCREW M5 L=4                    | 止めねじ M5 L=4         | 2   |
| 34     |      | 401-69665     | HOOK_SHAFT                      | 釜軸                  | 1   |
| 35     |      | SB-1080006-00 | BEARING                         | ころがり軸受              | 2   |
| 36     |      | RC-2400002-KP | C-RING 24 (25.9)                | C形止め輪 24 (25.9)     | 2   |
| 37     | #01  | B2557-280-00A | WASHER FOR DRIVING ARM          | 横送り腕座金 A            | 1   |
| 38     | #01  | B2557-280-00B | WASHER                          | 横送り腕座金 B            | 1   |
| 39     | #01  | B2557-280-00C | WASHER                          | 横送り腕座金 C            | 1   |
| 40     | #01  | B2557-280-00D | WASHER D                        | 横送り腕座金 D            | 1   |
| 41     | #01  | B2557-280-00E | WASHER                          | 横送り腕座金              | 1   |
| 42     | #01  | 401-38418     | WASHER_T=1.3                    | 釜軸上メタルスラスト板_T=1.3   | 1   |
| 43     | #01  | 401-38419     | WASHER_T=1.4                    | 釜軸上メタルスラスト板_T=1.4   | 1   |
| 44     | #01  | 401-38420     | WASHER_T=1.5                    | 釜軸上メタルスラスト板_T=1.5   | 1   |
| 45     | #01  | 401-38421     | WASHER_T=1.6                    | 釜軸上メタルスラスト板_T=1.6   | 1   |
| 46     | #01  | 401-38422     | WASHER_T=1.7                    | 釜軸上メタルスラスト板_T=1.7   | 1   |
| 47     | #01  | 401-38423     | WASHER_T=1.8                    | 釜軸上メタルスラスト板_T=1.8   | 1   |
| 48     | #01  | 401-43185     | WASHER_T=0.5                    | 釜軸上メタルスラスト板_T=0.5   | 1   |
| 49     | #01  | 401-43188     | WASHER_T=0.6                    | 釜軸上メタルスラスト板_T=0.6   | 1   |
| 50     | #01  | 401-43581     | WASHER_T=0.7                    | 釜軸上メタルスラスト板_T=0.7   | 1   |
| 51     |      | 401-69749     | SAFETY_DEVICE_ASM.              | 安全装置(組)             | 1   |
| 52     |      | 401-78330     | SAFETY_BASE_BUSHING             | 安全装置受メタル            | (1) |
| 53     |      | 213-87709     | SAFETY CLUTCH SPRING            | 安全装置ばね              | (1) |
| 54     |      | 401-76783     | SAFETY BASE                     | 安全装置受               | (1) |
| 55     |      | 213-87907     | ADJUSTING PIN (1.2)             | 解除圧調整ピン (1.2)       | (1) |
| 56     |      | 401-69669     | SAFETY_CLUTCH_HOOK              | 安全装置爪               | (1) |
| 57     |      | 401-69672     | CLUTCH_BASE                     | クラッチ ベース            | (1) |
| 58     |      | 402-38236     | SAFETY_CLUTCH_COUNTER_HOOK_ES   | 安全装置逆爪ES            | (1) |
| 59     |      | 402-02270     | SAFETY_CLUTCH_SMALL_LINK        | 安全装置小リンク            | (1) |
| 60     |      | PS-0100082-KP | SPRING PIN TYPE W 1X8           | スプリングピン W形 1X8      | (1) |
| 61     |      | 401-13224     | COUNTER HOOK SPRING             | 安全装置逆爪ばね            | (1) |
| 62     |      | SD-0640322-TP | SHOULDER SCREW D=6.35 H=3.2     | 段ねじ D=6.35 H=3.2    | (2) |
| 63     |      | SM-1061201-SN | SCREW M6 L=12                   | 皿小ねじ M6 L=12        | (2) |
| 64     |      | SS-8111010-TP | SCREW 11/64-40 L=9.5            | 止めねじ 11/64-40 L=9.5 | (1) |
| 65     |      | SM-80606A2-TP | SCREW M6 L=6                    | 六角穴付き止めねじ M6 L=6    | (2) |
| 66     |      | 401-69671     | LOWER_SHAFT_SPROCKET            | 下スプロケット             | (1) |
|        |      | NOTE(注記)      | #01....SELECTIVE PARTS          | 選択部品                |     |

5. OPENNER COMPONENTS  
オープナー関係



| REF.NO | NOTE | PART NO       | DESCRIPTION             | 品 名                      | Qty |
|--------|------|---------------|-------------------------|--------------------------|-----|
| 1      |      | 401-26351     | OPENER_CAM_ROLLER       | オープナーカムコロ                | 1   |
| 2      |      | RC-0560711-KP | RETAINING_RING          | C形止め輪                    | 1   |
| 3 ☆    |      | 401-47915     | OPENER_ASM_XXL          | オープナー結合__X X L           | 1   |
| 4      |      | 401-35473     | METAL                   | メタル                      | 1   |
| 5      |      | WP-0740516-SP | WASHER_7.4X11.8X0.5     | 平座金 7. 4 X 1 1. 8 X 0. 5 | 1   |
| 6      |      | 401-26391     | OPENER_CAM_R            | オープナーカム (右用)             | 1   |
| 7      |      | 401-26360     | OPENER_CAM_ROLLAR_SHAFT | オープナカムころ軸                | 1   |
| 8      |      | 401-35475     | OPENER_DRIVING_ARM      | オープナ駆動腕                  | 1   |
| 9      |      | 401-35472     | JUNCTION_SHAFT_COLLAR   | 針棒支持台軸抱きピンカラー            | 1   |
| 10     |      | WP-0612066-SP | WASHER_6.1X11X2         | 平座金 6. 1 X 1 1 X 2       | 1   |
| 11     |      | SM-6040802-TP | SCREW_M4X0.7_L=8        | 六角穴ボルト                   | 1   |
| 12     |      | SM-8040612-TP | SCREW_M4_L=6            | 止めねじ M4 L=6              | 1   |
| 13     |      | SM-8060612-TP | SCREW_M6_L=6            | 止めねじ M6 L=6              | 2   |
| 14     |      | SM-8050612-TP | SCREW_M5X6              | 止めねじ M5 X 0. 8 L = 6     | 2   |
| 15     |      | 401-12252     | OPENER_METAL            | オープナ軸メタル                 | 1   |

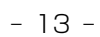
6. HOOK COMPONENTS  
釜関係





| REF.NO | NOTE | PART NO   | DESCRIPTION                   | 品 名           | Qty |
|--------|------|-----------|-------------------------------|---------------|-----|
| 1 ☆    |      | 401-47912 | TRIM_HOOK_ASM_XXL_ST          | 釜組_X X L _S T | 1   |
| 2      |      | 401-49030 | OUTER_HOOK                    | 外釜            | (1) |
| 3      |      | 401-49047 | INNER_HOOK                    | 内釜            | (1) |
| 4      |      | 400-79903 | PRESSER_LIFTER_SPRING         | 押上げばね         | (1) |
| 5      |      | 400-79902 | PRESSER_LIFTER                | 押上げ           | (1) |
| 6      |      | 401-84909 | TENTION_SPRING                | 下糸調子ばね (0. 5) | (1) |
| 7      |      | 400-79899 | ADJUSTING_SCREW               | 下糸調子ばね調節ねじ    | (1) |
| 8      |      | 400-79900 | TENTION_SPRING_SETSCREW       | 下糸調子ばね止めねじ    | (1) |
| 9      |      | 401-49034 | BOBBIN_PRESSER                | ボビン押え         | (1) |
| 10     |      | 401-49032 | NEEDLE HOLDER                 | 針受け           | (1) |
| 11     |      | 401-49033 | INNER_HOOK HOLDER             | 内釜押え          | (1) |
| 12     |      | 401-49035 | INNER_HOOK HOLDER_SETSCREW    | 内釜押え止めねじ      | (3) |
| 13     |      | 401-49036 | NEEDLE HOLDER_SETSCREW        | 針受け止めねじ       | (2) |
| 14     |      | 400-75542 | OUTER_HOOK_SETSCREW           | 外釜止めねじ        | (2) |
| 15     |      | 400-79909 | NEEDLE HOLDER_ADJUSTING_SCREW | 針受調節ねじ        | (1) |
| 16     |      | 401-48037 | BALL                          | 鋼球 (5 / 3 2)  | (1) |
| 17     |      | 401-49037 | SLIDE_PIN                     | 針受調節用スライドピン   | (1) |
| 18     |      | 400-75547 | OIL_COVER_SETSCREW            | 油蓋止めねじ        | (1) |
| 19     |      | 400-75548 | OIL_COVER                     | 油蓋 (レース部)     | (1) |
| 20     |      | 400-79912 | IDLING_PRIVENTION_SPRING      | 空転防止ばね        | (1) |
| 21 ☆   |      | 401-47913 | BOBBIN_XXL                    | ボビン_X X L     | 1   |

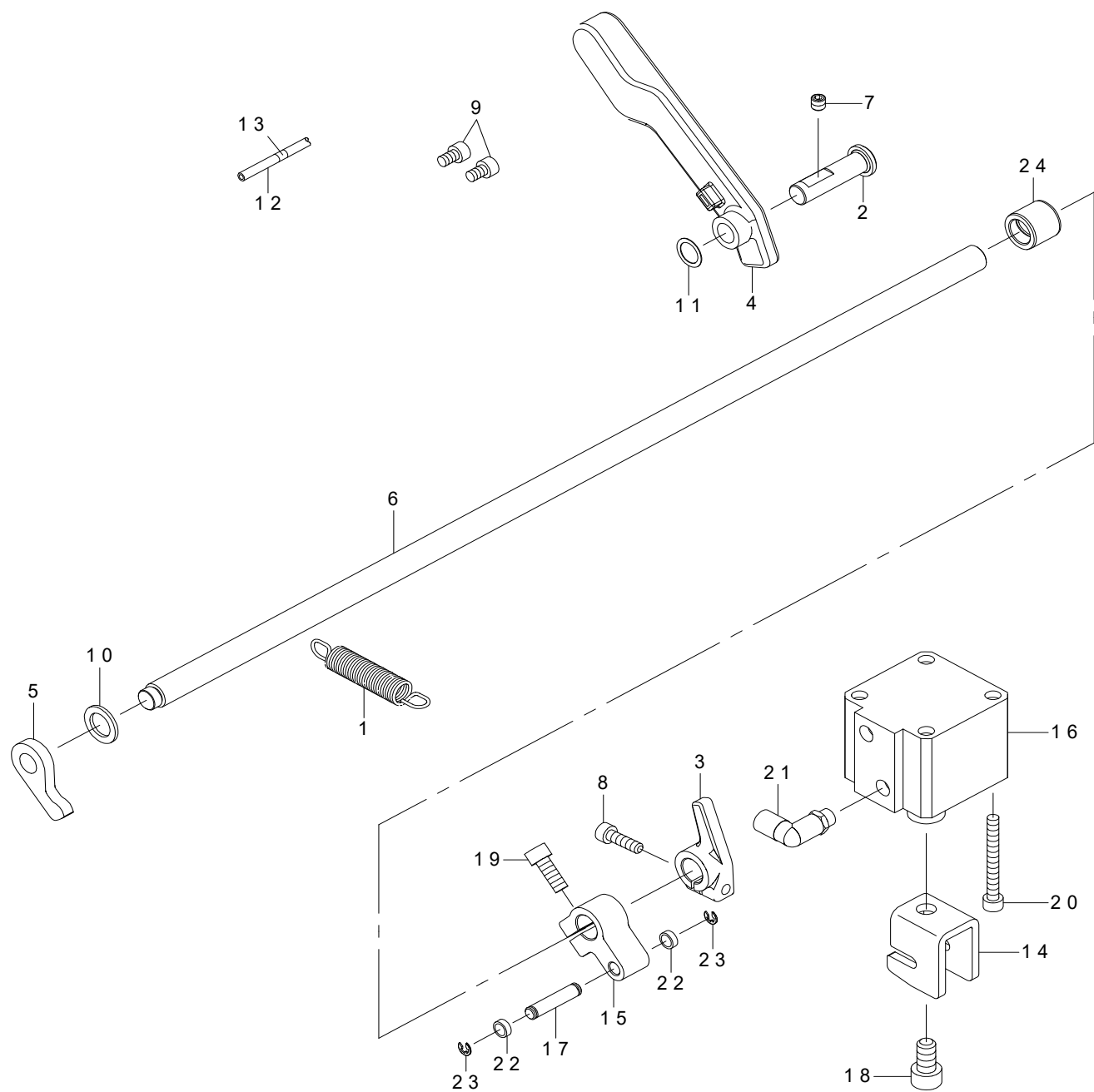
上送り関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                       | 品 名              | Qty   |
|--------|------|---------------|-----------------------------------|------------------|-------|
| 1      |      | 401-69674     | UPPER_FEED_F_ASM_E                | 上送り面部E(組)        | 1     |
| 2      |      | 401-69678     | PRESSURE_BAR_E                    | 押え棒 (E)          | (1)   |
| 3      |      | 401-78095     | TRIANGLE_LEVER_SHAFT_STOPPER      | 三角てこ軸止め          | (2)   |
| 4      |      | 401-69675     | CONNECTION_PIN                    | 連結ピン             | (3)   |
| 5      |      | 401-69676     | WALKING_BAR_E                     | 送り足棒 (E)         | (1)   |
| 6      |      | 401-78169     | SPRING_RECEIVING_E_ASM            | 押えばね受けE(組)       | (1)   |
| 7      |      | 401-76628     | WALKING_BAR_DRIVING_LINK          | 上送り揺動リンク         | (1)   |
| 8      |      | 401-78171     | TRIANGULAR_LEVER                  | 三角てこ             | (1)   |
| 9      |      | 401-25854     | UPPER_FEED_LINK_A                 | 上送りリンクA          | (1)   |
| 10     |      | SM-8050612-TP | SCREW M5X6                        | 止めねじ M5X0.8 L=6  | (1)   |
| 11     |      | SM-8040650-TP | SCREW                             | 平ねじ M4 L=6       | (2)   |
| 12     |      | 401-69677     | PRESSURE_BAR_GUIDE_SHAFT          | 押え棒ガイド軸          | (1)   |
| 13     |      | RE-0600000-K0 | E-RING 6                          | E形止め輪 6          | 2     |
| 14     |      | WP-0820516-SP | WASHER 11.6X8.2X0.6               | 平座金 8.2X11.6X0.6 | 2     |
| 15     |      | B1223-771-000 | NEEDLE ROD CRANK WASHER           | 針棒クランクワッシャー      | 2     |
| 16     |      | 401-69681     | UF_CHANGE_BASE_SHAFT_WASHER       | 交互上下変換体軸座金       | 1     |
| 17     |      | 400-90058     | SLIDE BLOCK                       | 針棒抱き案内コロ         | 2     |
| 18     |      | 401-25943     | PRESSER ROD GUIDE                 | 押え棒ガイド           | 1     |
| 19     |      | 401-54199     | LEAF_SPRING_ADJUSTING_PLATE       | 板ばね調節板           | 1     |
| 20     |      | 401-73071     | UPPER_FEED_FRONT_ARM_PIN          | 上送り前部腕ピン         | 1     |
| 21     |      | 400-23627     | PRESSER PLATE SHEET WASHER        | 押え板シート座金         | 2     |
| 22     |      | 401-25867     | SPRING_HOOK                       | ばね掛け             | 1     |
| 23     |      | 401-71574     | PRESSER_BAR_BUSHING               | 押え棒メタル           | 1     |
| 24     |      | SD-0802126-TP | SHOULDER SCREW D=8 H=21.2         | 段ねじ D=8 H=21.2   | 1     |
| 25     |      | NM-6060001-SD | NUT M6X1 TYPE1                    | 六角ナットM6 1種       | 1     |
| 26     |      | E2613-700-000 | WASHER                            | ポリスライダスラストワッシャー  | 4     |
| 27     |      | 401-23319     | UPPER_FEED_SHAFT_ASM              | 上送り軸(組)          | 1     |
| 28     |      | 401-23262     | UPPER_FEED_SHAFT                  | 上送り軸             | (1)   |
| 29     |      | 401-23320     | UPPER_FEED_SHAFT_METAL_F          | 上送り軸メタル (前)      | (1)   |
| 30     |      | 401-23321     | UPPER_FEED_SHAFT_METAL_R          | 上送り軸メタル (後)      | (2)   |
| 31     |      | 401-26160     | UPPER_FEED_REAR_ARM               | 上送り後部腕           | 1     |
| 32     |      | 401-26390     | UPPER_FEED_CAM                    | 上送りカム            | 1     |
| 33     |      | 401-26338     | CONNECTION_LINK_ASM               | 送り変換リンク(組)       | 2     |
| 34     |      | 401-26223     | CONNECTION_LINK                   | 送り変換リンク          | (2)   |
| 35     |      | 400-38494     | THREAD_BIND_ARM_SPRING_RAC        | 糸結び腕ばね掛け         | 2     |
| 36     |      | 401-26269     | CHANGE_BASE_SPRING_RACK           | Dリはね掛け           | 1     |
| 37     |      | 401-26264     | CHANGE_BASE_STOPPER               | Dリストッパー          | 1     |
| 38     |      | 401-69679     | UPPER_FEED_CHANGE_BASE_ASM        | 交互上下変換体(組)       | 1     |
| 39     |      | 401-23414     | UPPER_FEED_CHANGE_BASE            | 交互上下変換体          | (1)   |
| 40     |      | 401-69680     | UF_CHANGE_BASE_SHAFT              | 交互上下変換体軸         | (1)   |
| 41     |      | SM-80608A2-TP | SCREW M6 L=8                      | 六角穴付き止めねじ M6 L=8 | (1)   |
| 42     | #01  | 401-45548     | UF_CHANGE_BASE_SUPPORT_PIN_A      | 交互上下変換体支持ピンA     | 1     |
| 43     | #01  | 401-45549     | UF_CHANGE_BASE_SUPPORT_PIN_B      | 交互上下変換体支持ピンB     | 1     |
| 44     | #01  | 401-45550     | UF_CHANGE_BASE_SUPPORT_PIN_C      | 交互上下変換体支持ピンC     | 1     |
| 45     |      | 401-26374     | VERTICAL_ADJUSTING_PIN            | 変換体軸ピン           | 1     |
| 46     | ★    | 401-25926     | PRESSER_ADJUSTING_SCREW           | 押え調節ねじ           | 1     |
| 47     | ★    | 401-78333     | PRESSER_SPRING                    | 押え調節ばね           | 1     |
| 48     |      | 401-12199     | LEAF_SPRING                       | 板ばね              | 1     |
| 49     |      | 401-26400     | SPRING                            | 上送り変換体ばね         | 2     |
| 50     | ★    | 401-25850     | VERTICAL_DIAL(VE)                 | 交互上下ダイヤル         | 1     |
| 51     |      | 401-69682     | UPPER_FEED_SHAFT_PLASTIC_WASHER   | 上送り軸前メタル座金       | 2     |
| 52     |      | 229-04155     | MAIN SHAFT THRUST COLLAR ASM.     | 上軸スラスト受け(組)      | 1     |
| 53     |      | RC-0150001-KP | C-RING 15(13.8)                   | C形止め輪15 (13.8)   | 1     |
| 54     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.5   |
| 55     |      | CQ-2520000-00 | COTTON OIL WICK D=2.5             | 木綿油芯 D=2.5       | 0.21  |
| 56     |      | CQ-2520000-00 | COTTON OIL WICK D=2.5             | 木綿油芯 D=2.5       | 0.24  |
| 57     |      | 401-81045     | E_RING                            | Eリング             | 1     |
| 58     |      | SB-1250006-00 | BEARING                           | ころがり軸受           | 1     |
| 59     |      | SM-6040650-TP | SCREW                             | 平ねじ M4 L=6       | 2     |
| 60     |      | SM-6051000-SP | SCREW                             | 平ねじ M5 L=10      | 2     |
| 61     |      | SM-0050801-SC | SCREW                             | トラスねじ M5 L=8     | 2     |
| 62     |      | SM-6061202-TP | SCREW M6 L=12                     | 六角穴ボルト M6 L=12   | 5     |
| 63     |      | SM-6062002-TP | SCREW M6 L=20                     | 六角穴ボルト M6 L=20   | 1     |
| 64     |      | 401-69687     | WASHER                            | 交互上下変換体支持ピン座金    | 1     |
| 65     |      | SM-80606A2-TP | SCREW M6 L=6                      | 六角穴付き止めねじ M6 L=6 | 6     |
| 66     |      | SM-8060552-TP | SCREW M6 L=5                      | 止めねじ             | 2     |
| 67     | #01  | 401-69683     | UPPER_FEED_FRONT_ARM_A            | 上送り前部腕A          | 1     |
| 68     | #01  | 401-69684     | UPPER_FEED_FRONT_ARM_B            | 上送り前部腕B          | 1     |
| 69     | #01  | 401-74550     | UPPER_FEED_FRONT_ARM_C            | 上送り前部腕C          | 1     |
| 70     | #01  | 401-74551     | UPPER_FEED_FRONT_ARM_D            | 上送り前部腕D          | 1     |
| 71     |      | 401-25876     | UPPER_FEED_CAM_ROD                | 上送りカムロッド         | 1     |
| 72     |      | 401-23345     | FELT                              | フェルト             | 2     |
| 73     |      | WP-0651001-SC | WASHER                            | 平座金              | 2     |
| 74     |      | 107-12552     | PRESSER FOOT ASM.                 | 押え足(組)           | 1     |
| 75     |      | 401-69686     | FEED ROCKER SHAFT BUSHING         | 送り軸メタル           | 2     |
| 76     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.25  |
| 77     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.02  |
| 78     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.02  |
| 79     |      | CQ-2520000-00 | COTTON OIL WICK D=2.5             | 木綿油芯 D=2.5       | 0.048 |
| 80     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.1   |
| 81     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.25  |
| 82     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.25  |
| 83     |      | CQ-2020000-00 | COTTON OIL WICK D=2               | 木綿油芯 D=2         | 0.25  |
| 84     |      | WP-0430800-SD | WASHER M4                         | 平座金小形丸 M4        | 4     |
| 85     |      | 401-69685     | UPPER_FEED_FRONT_ARM_PLASTIC_BUSH | 上送り前部腕ブッシュ       | 2     |
| 86     |      | 401-82812     | INSTALLING_PLATE                  | シリンダ取付板          | 1     |
| 87     | #01  | 401-49115     | ROCKING_LINK_PIN_A                | 揺動リンクピン_A        | 1     |
| 88     | #01  | 401-49116     | ROCKING_LINK_PIN_B                | 揺動リンクピン_B        | 1     |
| 89     | #01  | 401-49117     | ROCKING_LINK_PIN_C                | 揺動リンクピン_C        | 1     |
| 90     | #01  | 401-49118     | ROCKING_LINK_PIN_D                | 揺動リンクピン_D        | 1     |
| 91     | #01  | 401-49120     | FEED_ADJUSTING_PIN_A              | 送り調節ピン_A         | 2     |
| 92     | #01  | 401-49121     | FEED_ADJUSTING_PIN_B              | 送り調節ピン_B         | 2     |
| 93     | #01  | 401-49122     | FEED_ADJUSTING_PIN_C              | 送り調節ピン_C         | 2     |
| 94     | #01  | 401-49123     | FEED_ADJUSTING_PIN_D              | 送り調節ピン_D         | 2     |
| 95     | #01  | 401-49125     | FEED_ROD_PIN_A                    | 送りロッドピン_A        | 1     |
| 96     | #01  | 401-49126     | FEED_ROD_PIN_B                    | 送りロッドピン_B        | 1     |
| 97     | #01  | 401-49127     | FEED_ROD_PIN_C                    | 送りロッドピン_C        | 1     |
| 98     | #01  | 401-49128     | FEED_ROD_PIN_D                    | 送りロッドピン_D        | 1     |
| 99     |      | SM-80608A2-TP | SCREW M6 L=8                      | 六角穴付き止めねじ M6 L=8 | 1     |
| 100    |      | WP-0650216-KD | WASHER 6.5X11X0.2                 | 平座金 6.5X11X0.2   | 1     |
|        |      | NOTE(注記)      | #01....SELECTIVE PARTS            | 選択部品             |       |

## 8. HAND LIFTER & AUTO LIFTER COMPONENTS

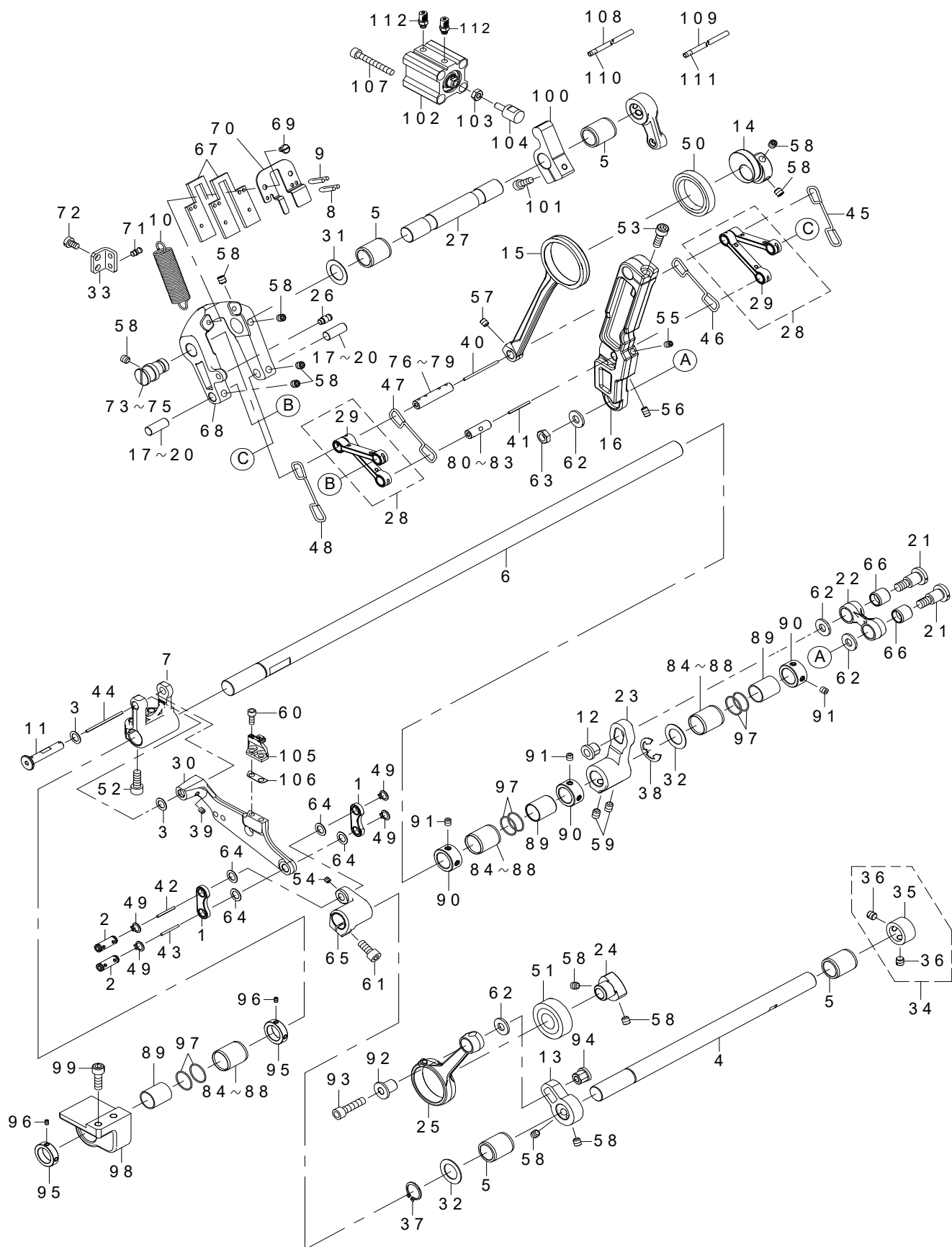
手動押え上げ・自動押え上げ関係



| REF.NO | NOTE | PART NO       | DESCRIPTION          | 品 名                | Qty  |
|--------|------|---------------|----------------------|--------------------|------|
| 1      |      | 401-26367     | SPRING               | 押え上げ軸戻しばね          | 1    |
| 2      |      | 400-06716     | THREAD_TRIMMER_SHAFT | 糸切りリンク軸            | 1    |
| 3      |      | 401-12184     | LIFTER_LEVER_A       | 押え上げレバーA           | 1    |
| 4      |      | 401-26150     | LIFTER_LEVER_B       | 押え上げレバーB           | 1    |
| 5      |      | 401-44283     | LIFTER PLATE         | 押え上げ板              | 1    |
| 6      |      | 401-26364     | LIFTER_SHAFT         | 押え上げ軸              | 1    |
| 7      |      | SM-8060612-TP | SCREW M6 L=6         | 止めねじ M6 L=6        | 1    |
| 8      |      | SM-6051802-TP | SCREW M5 L=18        | 六角穴ボルト             | 1    |
| 9      |      | SM-6050802-TP | SCREW M5X0.8 L=8     | 六角穴ボルト M5X0.7 L=8  | 2    |
| 10     |      | 134-09107     | WASHER               | ワッシャー              | 1    |
| 11     |      | WZ-1052010-KP | WAVED WASHER         | 波形座金 10.5X14.5X0.3 | 1    |
| 12     |      | BT-0400251-EB | URETHANE HOSE BLACK  | ウレタンホース 黒          | 0.62 |
| 13     |      | 180-35303     | WIRE MARK (4)        | ワイヤーマーク (4)        | 1    |
| 14     |      | 401-12187     | KNUCKLE_JOINT_A      | ナックルジョイントA         | 1    |
| 15     |      | 401-12188     | LIFTING_ARM          | 自動押え上げ腕            | 1    |
| 16     |      | PA-4001502-00 | AIR CYLINDER         | エア シリンダ            | 1    |
| 17     |      | 229-49101     | ROLLER FULCRUM SHAFT | コロ支点軸              | 1    |
| 18     |      | SM-6081552-TP | SCREW M8 L=15        | 六角穴ボルト             | 1    |
| 19     |      | SM-6061602-TP | SCREW M6 L=16        | 六角穴ボルト             | 1    |
| 20     |      | SM-6054502-TN | SCREW M5 L=45        | 六角穴ボルト M5 L=45     | 4    |
| 21     |      | PJ-3040451-02 | ELBOW UNION C        | エルボユニオン C          | 1    |
| 22     |      | 139-51009     | PRESSER FOOT ROLLER  | 押え足コロ              | 2    |
| 23     |      | RE-0400000-K0 | E-RING 4             | E形止め輪 4            | 2    |
| 24     |      | 400-86018     | BUSHING_MAIN_FEED    | 主送りメタル             | 1    |

## 9. LOWER FEED COMPONENTS

下送り関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                     | 品 名                | Qty   |
|--------|------|---------------|---------------------------------|--------------------|-------|
| 1      |      | 401-23666     | VERTICAL_LINK                   | 上下リンク              | 2     |
| 2      |      | 401-69688     | VERTICAL_FEED_LINK_SHAFT        | 上下送りリンク軸           | 2     |
| 3      |      | WP-0740516-SP | WASHER 7.4X11.8X0.5             | 平座金 7.4X11.8X0.5   | 2     |
| 4      |      | 401-23667     | VERTICAL_FEED_LINK              | 上下送りリンク            | 1     |
| 5      |      | 401-69686     | FEED ROCKER SHAFT BUSHING       | 送り軸メタル             | 4     |
| 6      |      | 401-89277     | HORIZONTAL_FEED_SHAFT_2828ES    | 水平送り軸2828ES        | 1     |
| 7      |      | 401-89282     | FEED_BASE_ARM_2828ES            | 送り台腕2828ES         | 1     |
| 8      |      | CQ-2020000-00 | OIL WICK                        | 油芯                 | 0.05  |
| 9      |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.05  |
| 10     |      | 401-26401     | SPRING_B                        | 水平送り変換体ばね          | 1     |
| 11     |      | 401-89290     | FEED_BASE_SHAFT_2828ES          | 送り台軸2828ES         | 1     |
| 12     |      | 401-26357     | VERTICAL_FEED_ROD_NUT           | 上下送りロッドナット         | 1     |
| 13     |      | 401-25843     | VERTICAL_FEED_ARM_REAR          | 上下送り後部腕            | 1     |
| 14     |      | 401-23626     | HORIZONTAL_FEED_CAM             | 水平送りカム             | 1     |
| 15     |      | 401-26151     | HORIZONTAL_FEED_ROD             | 水平送りロッド            | 1     |
| 16     |      | 401-23547     | NEEDLE_BAR_ROCKING_LINK         | 針棒揺動桿              | 1     |
| 17     | #01  | 401-49120     | FEED_ADJUSTING_PIN_A            | 送り調節ピン_A           | 2     |
| 18     | #01  | 401-49121     | FEED_ADJUSTING_PIN_B            | 送り調節ピン_B           | 2     |
| 19     | #01  | 401-49122     | FEED_ADJUSTING_PIN_C            | 送り調節ピン_C           | 2     |
| 20     | #01  | 401-49123     | FEED_ADJUSTING_PIN_D            | 送り調節ピン_D           | 2     |
| 21     |      | SD-1021251-SP | SHOULDER SCREW D=10.2 H=12.5    | 段ねじ D=10.2 H=12.5  | 2     |
| 22     |      | 401-25856     | CONNECTION_LINK                 | 連結リンク              | 1     |
| 23     |      | 401-69697     | HORIZONTAL_FEED_ARM             | 水平送り腕              | 1     |
| 24     |      | 401-69698     | VERTICAL_FEED_CAM               | 上下送りカム             | 1     |
| 25     |      | 401-25857     | VERTICAL_FEED_ROD               | 上下送りロッド            | 1     |
| 26     |      | 400-38494     | THREAD_BIND_ARM_SPRING RAC      | 糸結び腕ばね掛け           | 1     |
| 27     |      | 401-31602     | CHANGE_BASE_SHAFT               | 送り変換体軸             | 1     |
| 28     |      | 401-26339     | CONNECTION_LINK_ASM             | 送り変換リンク(組)         | 2     |
| 29     |      | 401-23252     | CONNECTION_LINK                 | 送り変換リンク            | (2)   |
| 30     |      | 401-31631     | FEED_BASE                       | 送り台(残短)            | 1     |
| 31     |      | D1231-555-B00 | WASHER                          | スラスト座金             | 1     |
| 32     |      | B1255-781-00A | WASHER A                        | 上軸 スラストワッシャー T=0.8 | 2     |
| 33     |      | 122-88908     | THROAT PLATE BASE B SUPPORT     | 針板台 (B) 支え         | 1     |
| 34     |      | 229-04155     | MAIN SHAFT THRUST COLLAR ASM.   | 上軸スラスト受け(組)        | 1     |
| 35     |      | 229-04106     | MAIN SHAFT THRUST COLLAR        | 上軸スラスト受け           | (1)   |
| 36     |      | SS-8660610-TP | SCREW 1/4-40 L=6                | 止めねじ 1/4-40 L=6    | (2)   |
| 37     |      | RC-0150001-KP | C-RING 15(13.8)                 | C形止め輪 15 (13.8)    | 1     |
| 38     |      | RE-1200000-K0 | E-RING 12                       | E形止め輪 12           | 1     |
| 39     |      | SS-8110422-TP | SCREW 11/64-40 L=4              | 止めねじ 11/64-40 L=4  | 1     |
| 40     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.042 |
| 41     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.02  |
| 42     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.024 |
| 43     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.024 |
| 44     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.04  |
| 45     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.3   |
| 46     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.3   |
| 47     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.3   |
| 48     |      | CQ-2020000-00 | COTTON OIL WICK D=2             | 木綿油芯 D=2           | 0.3   |
| 49     |      | RC-0650811-KP | C-RING 7(6.5)                   | C形止め輪 7 (6.5)      | 4     |
| 50     |      | 401-43087     | BEARING                         | ころがり輪受             | 1     |
| 51     |      | SB-1170007-00 | BEARING                         | ころがり輪受             | 1     |
| 52     |      | SM-6061602-TP | SCREW M6 L=16                   | 六角穴ボルト             | 2     |
| 53     |      | SM-6061802-TP | SCREW M6 L=18                   | 六角穴ボルト             | 1     |
| 54     |      | SM-8040412-TP | SET SCREW M4 L=4                | 止めねじ               | 1     |
| 55     |      | SM-8050842-TP | SETSCREW                        | 止めねじ               | 1     |
| 56     |      | SM-8050812-TP | SCREW M5X8                      | 止めねじ M5X0.8 L=8    | 1     |
| 57     |      | SM-80506A2-TP | SCREW M5 L=6                    | 六角穴付き止めねじ M5 L=6   | 1     |
| 58     |      | SM-80606A2-TP | SCREW M6 L=6                    | 六角穴付き止めねじ M6 L=6   | 11    |
| 59     |      | SM-80608A2-TP | SCREW M6 L=8                    | 六角穴付き止めねじ M6 L=8   | 2     |
| 60     |      | SS-6111052-TP | SCREW                           | 六角穴ボルト             | 2     |
| 61     |      | SM-6061402-TP | SCREW M6 L=14                   | 六角穴ねじ M6 L=14      | 1     |
| 62     |      | 260-18705     | WASHER                          | クランクロッド座金          | 4     |
| 63     |      | NS-6680410-SP | NUT 9/32-28                     | 六角ナット 9/32-28      | 1     |
| 64     |      | WP-0740516-SP | WASHER 7.4X11.8X0.5             | 平座金 7.4X11.8X0.5   | 4     |
| 65     |      | 401-25935     | VERTICAL_FEED_ARM_FRONT         | 上下送り前部腕            | 1     |
| 66     |      | 401-26359     | CONNECTION_LINK BUSH            | 上下送りロッドブッシュ        | 2     |
| 67     |      | 401-23345     | FELT                            | フェルト               | 2     |
| 68     |      | 401-23629     | HORIZONTAL_FEED_CHANGE_BASE     | 水平送り変換体            | 1     |
| 69     |      | SM-6040650-TP | SCREW                           | 平ねじ M4 L=6         | 2     |
| 70     |      | 401-23346     | FELT HOLDER                     | フェルト押さえ            | 1     |
| 71     |      | 260-17400     | SPRING RAC                      | 糸結び腕ばね掛け           | 1     |
| 72     |      | SM-6050800-SP | SCREW M5 L=8                    | 平ねじ M5 L=8         | 2     |
| 73     | #01  | 401-71795     | HF_CHANGE_BASE_SUPPORT_PIN_A    | 水平送り変換体支持ピン_A      | 1     |
| 74     | #01  | 401-71796     | HF_CHANGE_BASE_SUPPORT_PIN_B    | 水平送り変換体支持ピン_B      | 1     |
| 75     | #01  | 401-71797     | HF_CHANGE_BASE_SUPPORT_PIN_C    | 水平送り変換体支持ピン_C      | 1     |
| 76     | #01  | 401-49125     | FEED_ROD_PIN_A                  | 送りロッドピン_A          | 1     |
| 77     | #01  | 401-49126     | FEED_ROD_PIN_B                  | 送りロッドピン_B          | 1     |
| 78     | #01  | 401-49127     | FEED_ROD_PIN_C                  | 送りロッドピン_C          | 1     |
| 79     | #01  | 401-49128     | FEED_ROD_PIN_D                  | 送りロッドピン_D          | 1     |
| 80     | #01  | 401-49115     | ROCKING_LINK_PIN_A              | 揺動リンクピン_A          | 1     |
| 81     | #01  | 401-49116     | ROCKING_LINK_PIN_B              | 揺動リンクピン_B          | 1     |
| 82     | #01  | 401-49117     | ROCKING_LINK_PIN_C              | 揺動リンクピン_C          | 1     |
| 83     | #01  | 401-49118     | ROCKING_LINK_PIN_D              | 揺動リンクピン_D          | 1     |
| 84     | #01  | 401-78995     | HORIZONTAL_FEED SHAFT BUSHING F | 水平送り軸メタルブッシュF      | 3     |
| 85     | #01  | 401-78996     | HORIZONTAL_FEED SHAFT BUSHING G | 水平送り軸メタルブッシュG      | 3     |
| 86     | #01  | 401-69693     | HORIZONTAL_FEED SHAFT BUSHING C | 水平送り軸メタルブッシュC      | 3     |
| 87     | #01  | 401-74552     | HORIZONTAL_FEED SHAFT BUSHING D | 水平送り軸メタルブッシュD      | 1     |
| 88     | #01  | 401-74553     | HORIZONTAL_FEED SHAFT BUSHING E | 水平送り軸メタルブッシュE      | 1     |
| 89     |      | 401-69690     | H_FEED_SHAFT_PLASTIC_BUSHING    | 水平送り軸メタル           | 3     |
| 90     |      | CS-1501181-TP | THRUST COLLAR D=15 W=11         | スラスト受 D=15 W=11    | 4     |
| 91     |      | SM-8050512-TP | SCREW                           | 止めねじ M5 L=5        | 8     |
| 92     |      | 401-54833     | VERTICAL FEED COLLAR            | 水平送りカラー            | 1     |
| 93     |      | SM-6062502-TP | SCREW M6 L=25                   | 六角穴ボルト M6 L=25     | 1     |
| 94     |      | 401-54832     | VERTICAL FEED ROD NUT           | 上下送りロッドナット         | 1     |
| 95     |      | 401-71825     | THRUST COLLAR                   | 水平送り軸スラストカラー       | 2     |
| 96     |      | SM-8030412-TP | SCREW                           | 止めねじ M3 L=4        | 4     |
| 97     |      | 401-76440     | O-RING                          | Oリング               | 6     |
| 98     |      | 401-31619     | METAL_INSTALLING_BOSS           | メタル取付けボス           | 1     |
| 99     |      | SM-6061802-TP | SCREW_M6_L=18                   | 六角穴ボルト             | 2     |
| 100    |      | 401-31597     | CONDENSE_CYLINDER_ARM           | コンデンスシリンダ腕         | 1     |
| 101    |      | SM-8051602-TP | SCREW_M5X0.8_L=16               | 六角穴ボルト M5X0.8 L=16 | 1     |
| 102    |      | PA-2002005-00 | AIR_CYLINDER                    | エアシリンダー            | 1     |
| 103    |      | NM-6050001-SD | NUT_M5X0.8                      | 六角ナット M5X0.8 1種    | 1     |
| 104    |      | 401-31607     | CONDENSE_PUSH_PIN               | コンデンス押しピン          | 1     |
| 105    |      | 401-35816     | FEED_DOG_2820A7                 | 送り歯_2820A7         | 1     |
| 106    |      | 401-38020     | FEED_DOG_SPACER                 | 送り歯スペーサ            | 1     |
| 107    |      | SM-6054002-TN | SCREW_M5X0.8_L=40               | 六角穴ボルト M5X0.8 L=40 | 2     |
| 108    |      | BT-0400251-EB | URETHANE_HOSE_BLACK             | ウレタンホース 黒          | 0.6   |
| 109    |      | BT-0400251-EB | URETHANE_HOSE_BLACK             | ウレタンホース 黒          | 0.6   |
| 110    |      | 180-35808     | WIRE_MARK (9)                   | ワイヤーマーク (9)        | 1     |
| 111    |      | 180-35907     | WIRE_MARK (10)                  | ワイヤーマーク (10)       | 1     |
| 112    |      | PJ-0320525-03 | HOSE_NIPPLE                     | ホースニップル            | 2     |
|        |      | NOTE(注記)      | #01...SELECTIVE PARTS           | 選択部品               |       |

送り調節関係

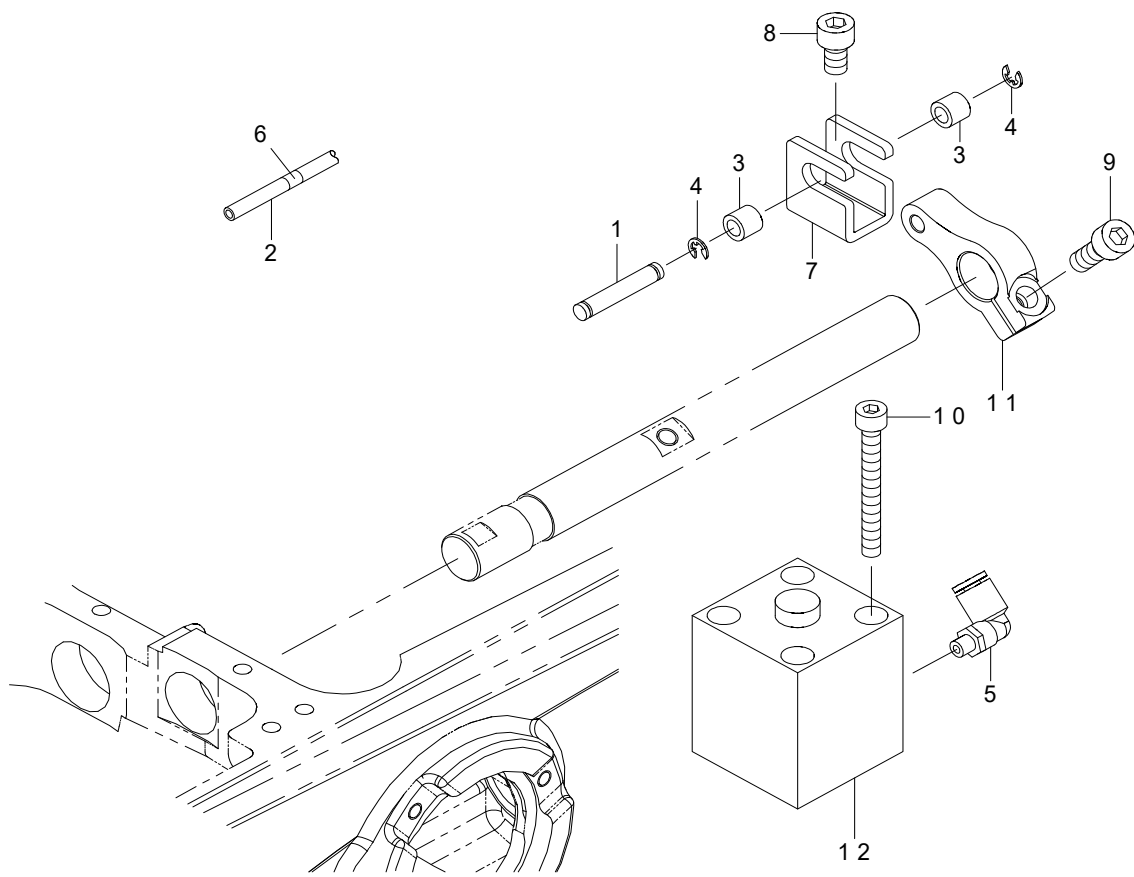




| REF.NO | NOTE | PART NO       | DESCRIPTION                    | 品 名                | Qty  |
|--------|------|---------------|--------------------------------|--------------------|------|
| 1      |      | 401-50059     | REVERSE_FEED_LEVER_SHAFT_V     | 逆送りレバー軸V           | 1    |
| 2      |      | 401-42200     | FEED_DIAL_(A)_ASM.             | 送りダイヤルA(組)         | 1    |
| 3      |      | 401-42201     | FEED_DIAL_(A)                  | 送りダイヤルA            | (1)  |
| 4      |      | PS-0350102-KR | SPRING_PIN_3.5X10              | スプリングピン 3.5X10     | (1)  |
| 5      |      | 401-31601     | CYLINDER_CONNECTING_SCREW      | シリンダ連結ねじ           | 1    |
| 6      |      | 401-31599     | FEED_ADJUSTING_PIN             | 送り調節ピン             | 1    |
| 7      | ★    | 229-11804     | FEED_REGULATOR_SCREW           | 送り調節ねじ             | 1    |
| 8      |      | 229-12000     | FEED_REGULATOR_PIN             | 送り調節ピン             | 1    |
| 9      |      | 229-12109     | FEED_REGULATOR_PIN_SPRING      | 送り調節ピンばね           | 1    |
| 10     |      | PA-2001509-00 | AIR_CYLINDER                   | エア シリンダ            | 1    |
| 11     |      | 401-12127     | BACKWARD_FEED_CONNECTING_ARM   | 逆送り連結腕             | 1    |
| 12     |      | 401-12128     | REVERSE_FEED_LEVER_PLATE_ASM   | 逆送りレバー板(組)         | 1    |
| 13     |      | 401-12281     | REVERSE_FEED_REVER_PLATE       | 逆送りレバー板            | (1)  |
| 14     |      | 401-12282     | REVERSE_FEED_REVER_BUSH        | 逆送りレバーブッシュ         | (1)  |
| 15     |      | 401-49039     | FEED_DIAL_BASE                 | 送りダイヤルねじ台          | 1    |
| 16     |      | SM-8050412-TP | SCREW_M5_L=4                   | 止めねじ M5 L=4        | 2    |
| 17     |      | 236-30007     | TUBE                           | チューブ               | 0.08 |
| 18     |      | NM-6060001-SD | NUT_M6                         | 六角ナット M6 1種        | 1    |
| 19     |      | SM-6054502-TP | SCREW_M5X0.8_L=45              | 六角穴ボルト M5X0.8 L=45 | 2    |
| 20     |      | 401-26116     | REVERSE_FEED_LEVER_DRAFT       | 逆送りレバー             | 1    |
| 21     |      | 401-31591     | ADJUSTING_BASE_A               | 送り調節体A             | 1    |
| 22     |      | 401-25864     | REVERSE_FEED_LEVER_SPRING_HOOK | 逆送りレバーばね掛け         | 1    |
| 23     |      | RO-0922702-00 | RUBBER_RING                    | Oリング               | 1    |
| 24     |      | 401-31594     | FEED_DIAL_ARM                  | 送りダイヤル腕            | 1    |
| 25     |      | WT-1780011-KP | TOOTHED_WASHER_18              | 歯付き座金 18           | 2    |
| 26     |      | SM-6061402-TP | SCREW_M6_L=14                  | 六角穴ねじ M6 L=14      | 2    |
| 27     |      | D2629-M1Y-C0F | SPRING                         | 起動レバー引張ばね          | 1    |
| 28     |      | 262-29302     | SUSPENSION_SCREW               | 起動レバー引張ばね掛け        | 1    |
| 29     |      | NM-6050001-SD | NUT_M5X0.8                     | 六角ナット M5X0.8 1種    | 1    |
| 30     |      | 401-31609     | ADJUSTING_BASE_SHAFT           | 送り調節体支え軸           | 1    |
| 31     |      | SL-4040881-SC | SCREW_M4_L=8                   | 座金付きなべ小ねじ M4 L=8   | 2    |
| 32     |      | SM-4050855-SP | SCREW                          | なべねじ M5 L=8        | 1    |
| 33     |      | SM-6051400-SP | SCREW                          | 平ねじ                | 1    |
| 34     |      | SM-6051202-TP | SCREW_M5X0.8_L=12              | 六角穴ボルト M5X0.8 L=12 | 1    |
| 35     |      | SM-8060412-TP | SCREW                          | 止めねじ M6 L=4        | 2    |
| 36     |      | 401-43624     | BACKWARD_LEVER_SHAFT_BUSH      | 逆送り軸メタル            | 1    |
| 37     |      | 401-35860     | ADJUSTING_BASE_SCREW           | 調節体ねじ              | 1    |
| 38     |      | 401-31610     | FEED_DIAL_SHAFT                | 送りダイヤル軸            | 1    |
| 39     |      | 401-25920     | ADJUSTING_BASE_B               | 送り調節体B             | 1    |
| 40     |      | SS-6121860-SP | SCREW_3/16-28_L=18             | 平ねじ 3/16-28 L=18   | 1    |
| 41     | ★    | 229-11804     | FEED_REGULATOR_SCREW           | 送り調節ねじ             | 1    |
| 42     |      | 401-22887     | FEED_REGULATOR_PIN             | 送り調節ピン             | 1    |
| 43     |      | 229-12109     | FEED_REGULATOR_PIN_SPRING      | 送り調節ピンばね           | 1    |
| 44     |      | 401-31596     | FEED_ADJUSTING_PIN HOLDER_B    | 送り調節ピン支え腕          | 1    |
| 45     |      | EA-9500B01-00 | CABLE_BAND                     | 束線バンド              | 1    |
| 46     |      | 401-26642     | CYLINDER_BASE_A                | シリンダーベースA          | 1    |
| 47     |      | 401-26643     | CYLINDER_BASE_B                | シリンダーベースB          | 1    |
| 48     |      | SD-0900426-TP | SHOULDER_SCREW_D=9_H=4.2       | 段ねじ D=9 H=4.2      | 2    |
| 49     |      | 401-34993     | FEED_DIAL_2820_ASM             | 送りダイヤル_2820(組)     | 1    |
| 50     |      | PS-0350102-KR | SPRING_PIN_3.5X10              | スプリングピン 3.5X10     | (1)  |
| 51     | ★    | 401-34994     | FEED_DIAL_2820                 | 送りダイヤル_2820        | (1)  |
| 52     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.36 |
| 53     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.36 |
| 54     |      | PJ-0460525-03 | HOSE_ELBOW                     | ホース エルボ            | 2    |
| 55     |      | 401-12267     | CYLINDER_JOINT                 | シリンダージョイント         | 1    |
| 56     | ★    | RO-0922702-00 | RUBBER_RING                    | Oリング               | 1    |
| 57     |      | SD-0800346-TP | SHOULDER_SCREW D=8 H=3.4       | 段ねじ D=8 H=3.4      | 1    |
| 58     |      | 401-31600     | LINK_C                         | リンクC               | 1    |
| 59     |      | SM-6050802-TP | SCREW_M5X0.8_L=8               | 六角穴ボルト M5X0.8 L=8  | 1    |
| 60     |      | SM-6061010-TP | SCREW_M6_L=10                  | 平穴ねじ M6 L=10       | 3    |
| 61     |      | SM-6061602-TP | SCREW_M6_L=16                  | 六角穴ボルト             | 2    |
| 62     |      | SM-6051602-TP | SCREW_M5X0.8_L=16              | 六角穴ボルト M5X0.8 L=16 | 1    |
| 63     |      | SD-0800426-TP | SHOULDER_SCREW D=8 H=4.2       | 段ねじ D=8 H=4.2      | 2    |
| 64     |      | SM-8050412-TP | SCREW_M5_L=4                   | 止めねじ M5 L=4        | 2    |
| 65     |      | SS-6121860-SP | SCREW_3/16-28_L=18             | 平ねじ 3/16-28 L=18   | 1    |
| 66     |      | PA-2001509-00 | AIR_CYLINDER                   | エア シリンダ            | 1    |
| 67     |      | 180-35006     | CABLE_MARK_NO.1                | ワイヤーマーク (1)        | 1    |
| 68     |      | 180-35105     | WIRE_MARK_(2)                  | ワイヤーマーク (2)        | 1    |
| 69     |      | 401-43624     | BACKWARD_LEVER_SHAFT_BUSH      | 逆送り軸メタル            | 1    |
| 70     |      | 134-24502     | BUSHING_FRONT                  | 主送りメタル             | 1    |
| 71     |      | CS-1201171-TP | THRUST_COLLAR D=12 W=11        | スラスト受 D=12 W=11    | 1    |
| 72     |      | CS-100081C-SP | THRUST_COLLAR_ASM.             | スラストカラー(組)         | 1    |
| 73     |      | SS-8110520-TP | SCREW_11/64-40_L=4.5           | 止ねじ 11/64-40 L=4.5 | (2)  |
| 74     |      | PJ-0460525-03 | HOSE_ELBOW                     | ホースエルボ             | 2    |
| 75     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.76 |
| 76     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.76 |
| 77     |      | SM-8060612-TP | SCREW_M6_L=6                   | 止めねじ M6 L=6        | 2    |
| 78     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.13 |
| 79     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 0.13 |
| 80     |      | 180-36004     | WIRE_MARK_(11)                 | ワイヤーマーク (11)       | 1    |
| 81     |      | 180-36103     | WIRE_MARK_(12)                 | ワイヤーマーク (12)       | 1    |
| 82     |      | 401-31592     | FEED_ADJUSTING_LINK_ARM        | 送り調節リンク腕           | 1    |
| 83     |      | 401-31605     | FEED_ADJUSTING_LINK            | 送り調節リンク            | 1    |
| 84     |      | 401-31595     | FEED_ADJUSTING_ARM             | 送り調節腕              | 1    |
| 85     |      | SM-8060612-TP | SCREW_M6_L=6                   | 止めねじ M6 L=6        | 2    |
| 86     |      | 401-69702     | FEED_ADJUST_PIN                | 送り量調節ピン            | 2    |
| 87     |      | SM-6051202-TP | SCREW_M5X0.8_L=12              | 六角穴ボルト M5X0.8 L=12 | 1    |
| 88     |      | SM-8050412-TP | SCREW_M5_L=4                   | 止めねじ M5 L=4        | 2    |
| 89     |      | SD-0800406-TP | SHOULDER_SCREW_D=8_H=4         | 段ねじ D=8 H=4        | 1    |
| 90     | #01  | 401-53570     | SCREW M6 L=26                  | 止めねじ M6 L=26       | 1    |
| 91     | #01  | 401-53571     | SCREW M6 L=27                  | 止めねじ M6 L=27       | 1    |
| 92     | #01  | 401-53572     | SCREW M6 L=28                  | 止めねじ M6 L=28       | 1    |
|        |      | NOTE(注記)      | #01....SELECTIVE PARTS         | 選択部品               |      |

11. DL COMPONENTS

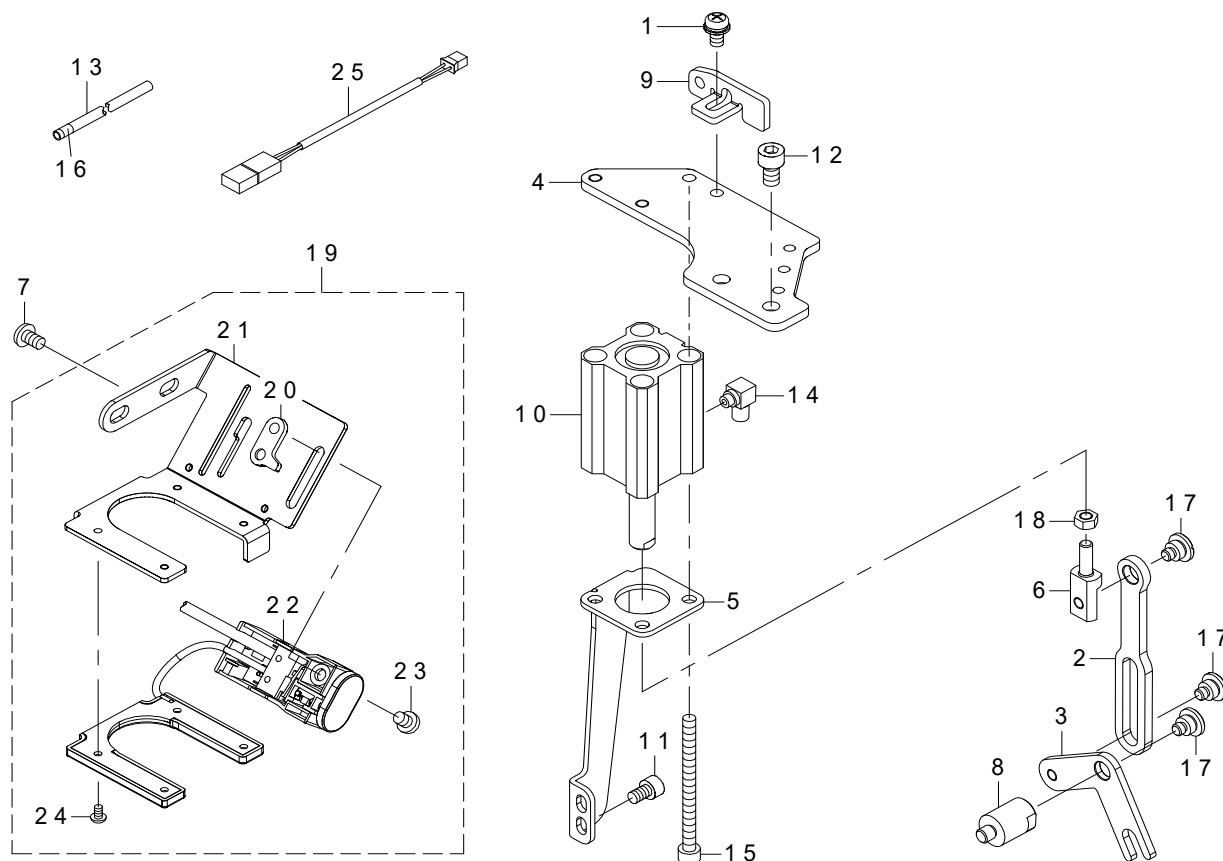
DL 関係



| REF.NO | NOTE | PART NO       | DESCRIPTION           | 品 名                 | Qty  |
|--------|------|---------------|-----------------------|---------------------|------|
| 1      |      | B1504-210-000 | CONNECTING_SHAFT      | ソレノイド連結軸            | 1    |
| 2      |      | BT-0400251-EB | URETHANE_HOSE_BLACK   | ウレタンホース 黒           | 0.58 |
| 3      |      | B3031-141-H00 | CONNECTING_STUD       | 抱きガイドコロ             | 2    |
| 4      |      | RE-0320000-K0 | E-RING_3.2            | E形止め輪 3. 2          | 2    |
| 5      |      | PJ-3040405-04 | ELBOW_UNION           | エルボユニオン             | 1    |
| 6      |      | 180-35501     | WIRE_MARK_(6)         | ワイヤーマーク (6)         | 1    |
| 7      |      | 401-12191     | KNUCKLE_JOINT_B       | ナックルジョイントB          | 1    |
| 8      |      | SM-6061002-TP | SCREW_M6_L=10         | 六角穴ボルト M6 L=10      | 1    |
| 9      |      | SM-6061602-TP | SCREW_M6_L=16         | 六角穴ボルト              | 1    |
| 10     |      | SM-6054502-TP | SCREW_M5X0.8_L=45     | 六角穴ボルト M5X0. 8 L=45 | 2    |
| 11     |      | 401-12192     | TERTICAL_CYLINDER_ARM | 交互上下シリンダー腕          | 1    |
| 12     |      | PA-2502509-00 | AIR_CYLINDER          | エアシリンダ              | 1    |

## 12. AUTO BT COMPONENTS

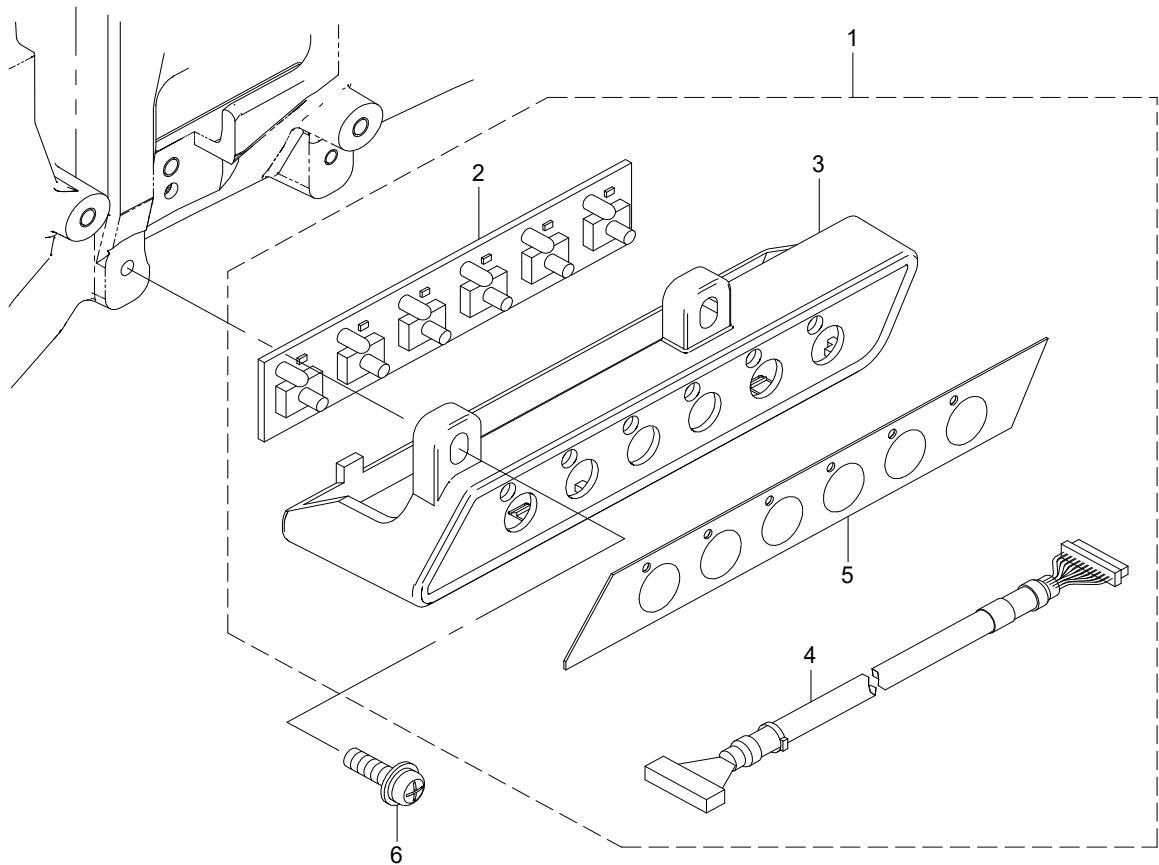
自動バック関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                    | 品 名                 | Qty  |
|--------|------|---------------|--------------------------------|---------------------|------|
| 1      |      | SL-4051091-SC | SCREW M5 L=10                  | 座金付きなべ小ねじ M5 L=10   | 1    |
| 2      |      | 401-31603     | BT_LINK_A                      | 逆送りリンクA             | 1    |
| 3      |      | 401-31593     | BT_LINK_B                      | 逆送りリンクB             | 1    |
| 4      |      | 401-25872     | CYLINDER_BRACKET               | シリンダーブラケット          | 1    |
| 5      |      | 401-12140     | CYLINDER_STAY                  | シリンダー支え             | 1    |
| 6      |      | 401-31608     | CYLINDER_KNUCKLE_JOINT         | ナックルジョイント           | 1    |
| 7      |      | SM-5050855-SN | SCREW M5 L=8                   | バインド小ねじ M5 L=8      | 2    |
| 8      |      | 401-31604     | BT_LINK_STUD                   | 逆送りリンクスタッド          | 1    |
| 9      |      | 401-12228     | MOTOR_COVER_FITTING_PLATE      | モーターカバー取付板          | 1    |
| 10     |      | 401-42208     | AIR_CYLINDER                   | エアシリンダー             | 1    |
| 11     |      | SM-6050802-TP | SCREW_M5X0.8_L=8               | 六角穴ボルト M5X0.8 L=8   | 2    |
| 12     |      | SM-6061002-TP | SCREW_M6_L=10                  | 六角穴ボルト M6 L=10      | 2    |
| 13     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒           | 0.27 |
| 14     |      | PJ-0460525-03 | HOSE_ELBOW                     | ホースエルボ              | 1    |
| 15     |      | SM-6056552-TP | SCREW                          | 六角穴ボルト              | 3    |
| 16     |      | 180-35709     | WIRE_MARK_(8)                  | ワイヤーマーク (8)         | 1    |
| 17     |      | SD-0800406-TP | SHOULDER_SCREW_D=8_H=4         | 段ねじ D=8 H=4         | 3    |
| 18     |      | NM-6050001-SE | NUT M5X0.8 TYPE1               | 六角ナット M5X0.8 1種     | 1    |
| 19     |      | 401-85715     | LED_TB_SWITCH_COM              | LEDタッチバックスイッチ完成     | 1    |
| 20     |      | 236-32102     | REVERSE_FEED_SWITCH_BASE_GUIDE | 逆送りスイッチ台ガイド         | (1)  |
| 21     |      | 401-86027     | TB_SW_MOUNTING_PLATE           | タッチバックスイッチ取付板       | (1)  |
| 22     |      | 401-86388     | LED_TB_SWITCH_ASSY             | LEDタッチバックスイッチ(組)    | (1)  |
| 23     |      | SS-7110740-TP | SCREW_11/64-40_L=7             | 丸平ねじ 11/64-40 L=7   | (1)  |
| 24     |      | SM-4030501-SC | SCREW M3X0.5 L=5               | なべ小ねじ M3X0.5 L=5    | (1)  |
| 25     |      | 401-86537     | LED_TB_SWITCH_CORD_ASSY        | LEDタッチバックスイッチコード(組) | 1    |

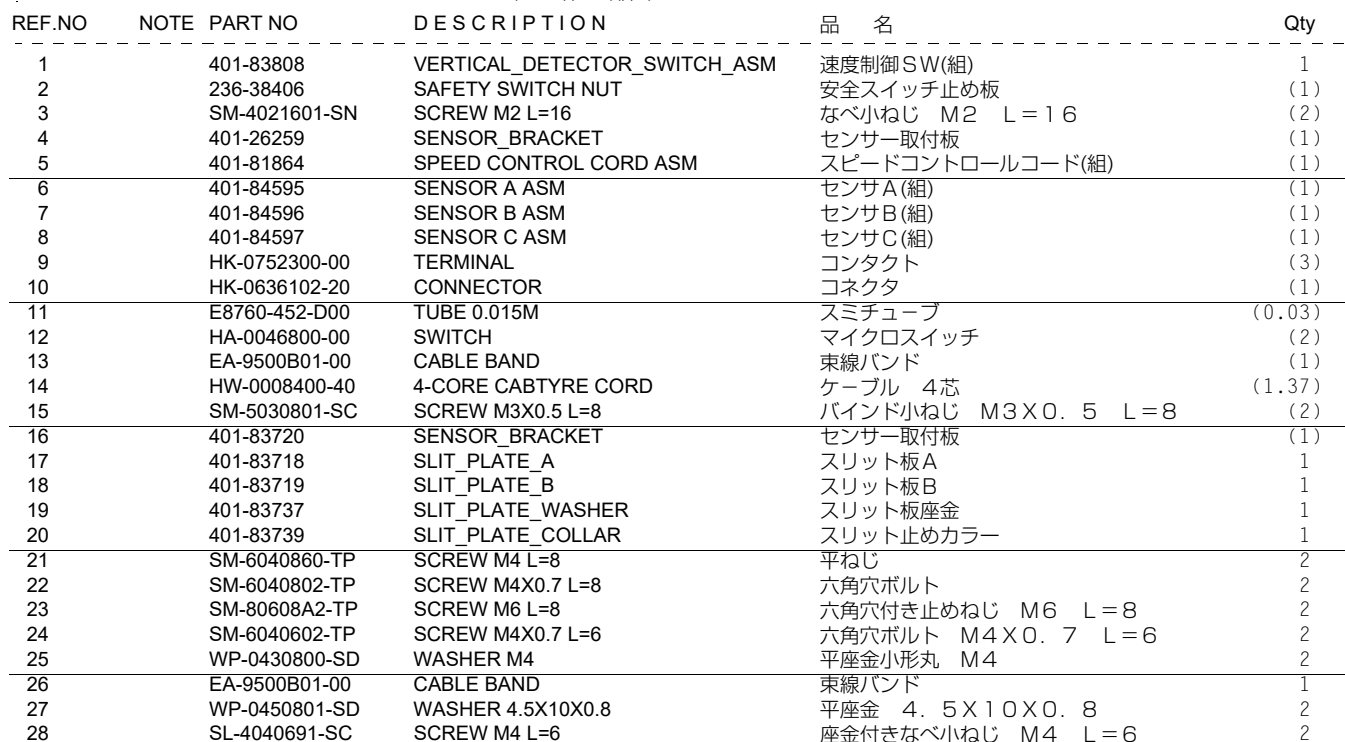
13. 6-RANGE SW COMPONENTS

6連スイッチ関係



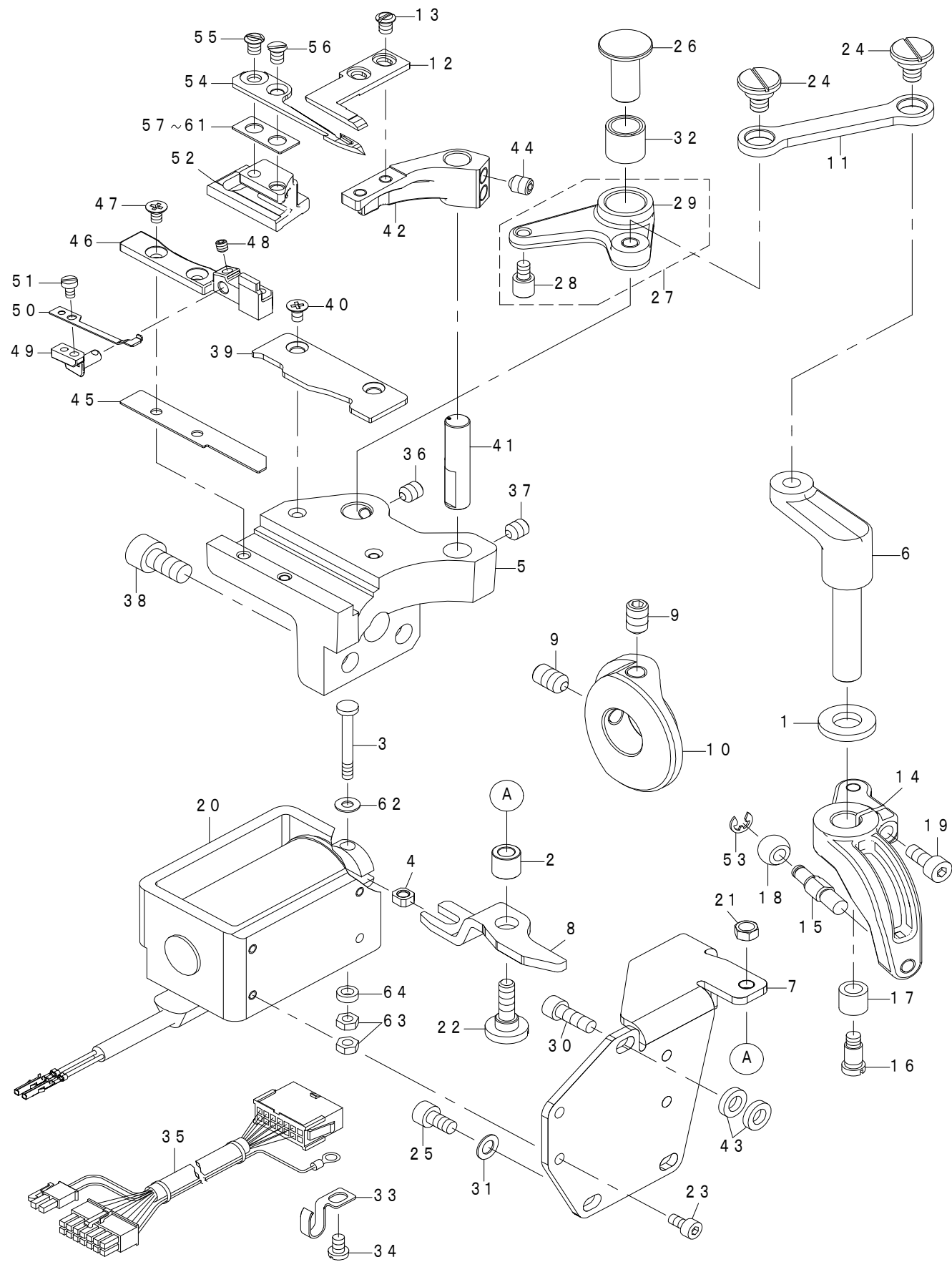
| REF.NO | NOTE | PART NO       | DESCRIPTION             | 品 名               | Qty |
|--------|------|---------------|-------------------------|-------------------|-----|
| 1      |      | 401-05508     | 6RANGE SWITCH ASM       | 6連スイッチ(組)         | 1   |
| 2      |      | 401-05510     | 6RANGE SWITCH PCB ASSY  | 6連スイッチ基板(組)       | (1) |
| 3      |      | 401-12215     | 6RANGE_SWITCH_COVER     | 6連スイッチカバー         | (1) |
| 4      |      | 401-05509     | 6RANGE SWITCH CABLE ASM | 6連スイッチケーブル(組)     | (1) |
| 5      |      | 401-12216     | PANEL SHEET             | パネルシート            | (1) |
| 6      |      | SL-4041491-SC | SCREW M4 L=14           | 座金付きなべ小ねじ M4 L=14 | 2   |

## 速度調節関係



15. THREAD CUTTING COMPONENTS

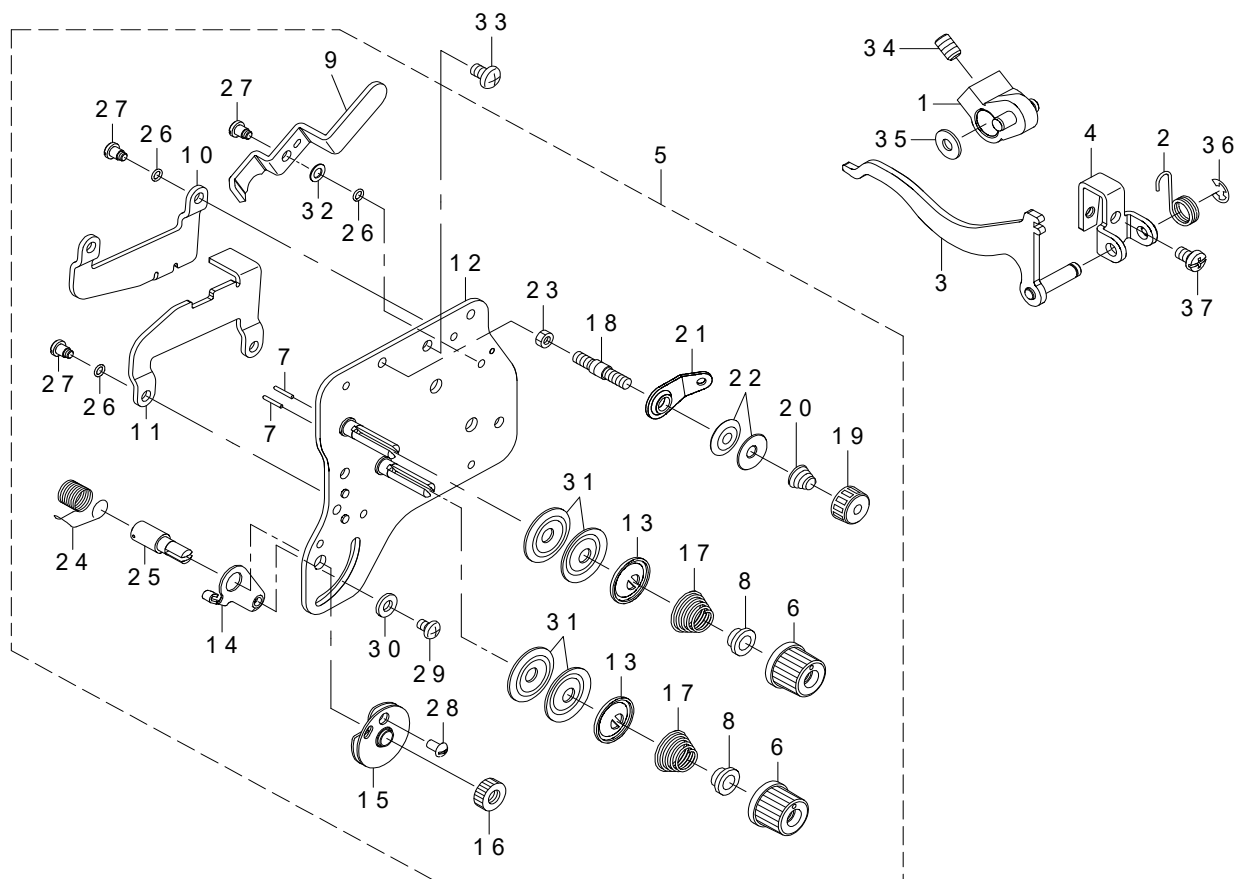
糸切り関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                   | 品 名                | Qty |
|--------|------|---------------|-------------------------------|--------------------|-----|
| 1      |      | B1853-512-00E | HOOK_SHAFT_WASHER             | 釜軸座金               | 1   |
| 2      |      | 229-56205     | WIPER_HINGE_SCREW_COLLAR      | ワイパー段ねじカラー         | 1   |
| 3      | *    | 402-03603     | THREAD_TRIMMER_SOL_SHAFT      | 糸切りソレノイド軸          | 1   |
| 4      | *    | 402-03555     | KNIFE_DRIVING_ARM_LINK_COLLAR | 動メス駆動腕リンクカラー       | 1   |
| 5      |      | 401-47930     | KNIFE_BASE                    | メス土台               | 1   |
| 6      |      | 401-31636     | M_KNIFE_DRIVING_SHAFT         | 動メス駆動軸             | 1   |
| 7      | *    | 402-03600     | THREAD_TRIMMER_SOL_PLATE_2828 | 糸切りソレノイド取付板 2828   | 1   |
| 8      | *    | 402-03599     | KNIFE_DRIVING_ARM_LINK_2828   | 動メス駆動リンク 2828      | 1   |
| 9      |      | SM-8061002-TP | SCREW_M6_L=10                 | 止めねじ M6 L=10       | 2   |
| 10     |      | 401-31633     | S_TRM_CAM_R                   | 糸切りカム(残短)          | 1   |
| 11     |      | 401-31635     | CONNECTION_LINK               | 動メス駆動軸連結板          | 1   |
| 12     | ☆    | 401-35498     | FIXED_KNIFE                   | 固定メス               | 1   |
| 13     |      | SS-6090580-TP | SCREW_9/64-40_L=4.5           | 平子ねじ 9/64-40 L=4.5 | 2   |
| 14     |      | 401-31637     | MOVING_KNIFE_DRIVING_ARM      | 動メス駆動腕             | 1   |
| 15     |      | 401-30593     | ROLLER_SHAFT                  | カムコロ軸              | 1   |
| 16     |      | SD-0500726-TP | SHOULDER_SCREW_D=5_H=7.2      | 段ねじ D=5 H=7.2      | 1   |
| 17     |      | 137-37804     | DRIVING_ARM_BOSS_ROLLER       | 下糸切り駆動腕コロ          | 1   |
| 18     |      | 214-70505     | CAM_ROLLER(245-7SP)           | 糸切りカムコロ (245-7SP)  | 1   |
| 19     |      | SM-6041002-TP | SCREW_M4_L=10                 | 六角穴ボルト M4X0.7 L=10 | 1   |
| 20     |      | 401-12251     | THREAD_TRIMMER_SOLENOID       | 糸切りソレノイド           | 1   |
| 21     |      | NS-6110310-SP | NUT_11/64-40                  | 六角ナット 11/64-40     | 1   |
| 22     |      | SD-0650321-TP | HINGE_SCREW_D=6.5_H=3.2       | 段ねじ D=6.5 H=3.2    | 1   |
| 23     |      | SM-6030602-TP | SCREW_M3X0.5_L=6              | 六角穴ボルト M3X0.5 L=6  | 4   |
| 24     |      | SD-0800329-TP | SHOULDER_SCREW                | 段ねじ D=8 H=3.2      | 2   |
| 25     |      | SM-6040802-TP | SCREW_M4X0.7_L=8              | 六角穴ボルト             | 2   |
| 26     |      | 401-35897     | M_KNIFE_SUPPORT_PIN           | 動メス駆動腕支えピン         | 1   |
| 27     |      | 401-49043     | ASSY_KNIFE_DRIVING_ARM        | 動メス駆動腕(組)          | 1   |
| 28     | ☆    | 400-12499     | KNIFE_BASE_SHAFT_PIN          | ナイフベースシャフトピン       | (1) |
| 29     |      | 401-31617     | M_KNIFE_DRIVING_ARM           | 動メス駆動腕             | (1) |
| 30     |      | SM-6041202-TP | SCREW_M4X0.7_L=12             | 六角穴ボルト             | 1   |
| 31     |      | WP-0450000-SD | WASHER_4.5X8X0.5              | 平座金 4.5X8X0.5      | 3   |
| 32     |      | SB-3080014-0A | BEARING                       | ころがり軸受             | 1   |
| 33     |      | 262-31902     | OIL_WICK_PIPE_STOPPER         | 油芯パイプ止め            | 1   |
| 34     |      | SM-4040655-SP | SCREW_M4_L=6                  | なべ小ねじ M4 L=6       | 1   |
| 35     |      | 401-26130     | SOLENOID_RELAY_CABLE_ASM      | ソレノイド中継ケーブル(組)     | 1   |
| 36     |      | SM-80506A2-TP | SCREW_M5_L=6                  | 六角穴付き止めねじ M5 L=6   | 1   |
| 37     |      | SM-80506A2-TP | SCREW_M5_L=6                  | 六角穴付き止めねじ M5 L=6   | 2   |
| 38     |      | SM-6061202-TP | SCREW_M6_L=12                 | 六角穴ボルト M6 L=12     | 2   |
| 39     |      | 401-47927     | D_KNIFE_BASE_GUIDE_R          | 動メスガイド(右)          | 1   |
| 40     |      | SM-1030601-SN | SCREW_M3X0.5_L=6              | 皿小ねじ M3X0.5 L=6    | 2   |
| 41     |      | 401-98917     | F_KNIFE_BASE_SHAFT            | 固定メス台軸             | 1   |
| 42     |      | 402-20200     | F_KNIFE_BASE                  | 固定メス土台             | 1   |
| 43     |      | 400-21606     | WASHER(B)                     | L板ロッド押え金座金B        | 2   |
| 44     |      | SM-80506A2-TP | SCREW_M5_L=6                  | 六角穴付き止めねじ M5 L=6   | 2   |
| 45     |      | 401-47929     | DRIVING_KNIFE_SUPPORT_SPACER  | 動メスガイドスペーサ         | 1   |
| 46     |      | 401-47926     | D_KNIFE_SPPORT_R              | 動メス支えR             | 1   |
| 47     |      | SM-1030601-SN | SCREW_M3X0.5_L=6              | 皿小ねじ M3X0.5 L=6    | 2   |
| 48     |      | SM-8030312-TP | SCREW_M3_L=3                  | 止めねじ M3 L=3        | 1   |
| 49     |      | 401-34967     | CLAMP_SPRING_BASE             | クランプ土台             | 1   |
| 50     | ☆    | 401-35955     | CLAMP_SPRING                  | クランプばね             | 1   |
| 51     |      | SM-6850400-SP | SCREW_M2.5_L=4                | 平小ねじ M2.5 L=4      | 1   |
| 52     |      | 401-47937     | DRIVING_KNIFE_BASE            | 動メス台               | 1   |
| 53     |      | RE-0300000-K0 | E-RING_3                      | E形止め輪 3            | 1   |
| 54     | ☆    | 401-47938     | DRIVING_KNIFE                 | 動メス                | 1   |
| 55     |      | SS-6090580-TP | SCREW_9/64-40_L=4.5           | 平小ねじ 9/64-40 L=4.5 | 1   |
| 56     |      | SS-1090520-TP | SCREW_9/64-40_L=5             | 皿小ねじ 9/64-40 L=5   | 1   |
| 57     | #01  | 401-47932     | DRIVING_KNIFE_SPACER_T=0.4    | 動メススペーサ T=0.4      | 1   |
| 58     | #01  | 401-47933     | DRIVING_KNIFE_SPACER_T=0.5    | 動メススペーサ T=0.5      | 1   |
| 59     | #01  | 401-47934     | DRIVING_KNIFE_SPACER_T=0.6    | 動メススペーサ T=0.6      | 1   |
| 60     | #01  | 401-47935     | DRIVING_KNIFE_SPACER_T=0.7    | 動メススペーサ T=0.7      | 1   |
| 61     | #01  | 401-47936     | DRIVING_KNIFE_SPACER_T=0.8    | 動メススペーサ T=0.8      | 1   |
| 62     | *    | WP-0320501-SD | WASHER                        | 平座金みがき丸 M3         | 1   |
| 63     | *    | NM-6030001-SD | NUT M3X0.5 TYPE1              | 六角ナット M3X0.5 1種    | 2   |
| 64     | *    | G5841-830-000 | SPACER                        | スペーサ               | 1   |
|        |      | NOTE(注記)      | #01....SELECTIVE PARTS        | 選択部品               |     |

## 16. THREAD TENSION COMPONENTS

糸調子関係

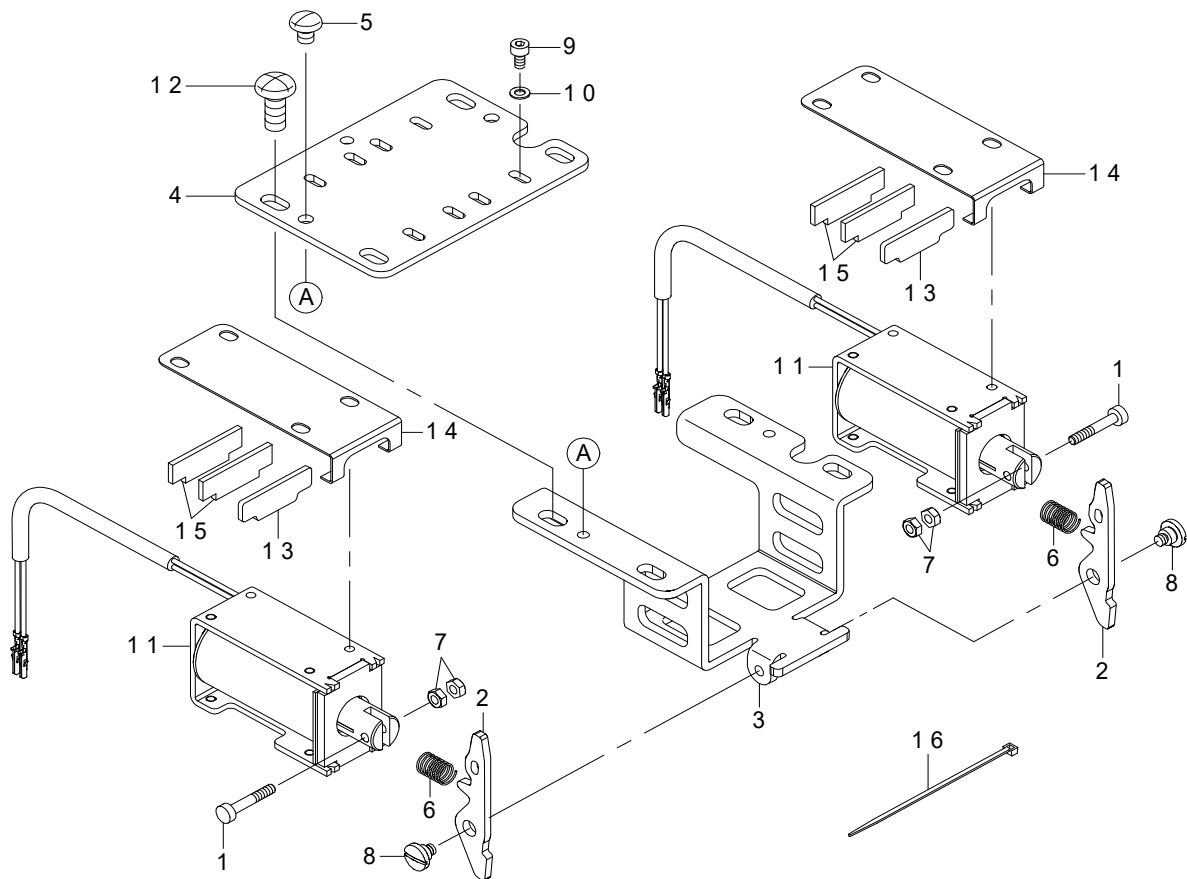


| REF.NO | NOTE | PART NO       | DESCRIPTION                  | 品 名                | Qty |
|--------|------|---------------|------------------------------|--------------------|-----|
| 1      |      | 229-12257     | FEED_REVERSE_ARM_ASM.        | 送りレバー腕(組)          | 1   |
| 2      |      | 229-54309     | REVERSE_FEED_SWITCH_SPRING   | 逆送りスイッチばね          | 1   |
| 3      |      | 401-26265     | DISK_RELEASE_LINK_ASM        | 皿浮かしリンク結合          | 1   |
| 4      |      | 401-25873     | DISK_RELEASE_LINK_BASE       | 皿浮かしリンク土台          | 1   |
| 5      |      | 401-26373     | THREAD_TENSION_ASM_2810      | 糸調子(組)2810         | 1   |
| 6      | ★    | 138-17408     | THREAD_TENSION_NUT           | 糸調子ナット             | (2) |
| 7      | ★    | 226-18201     | TENSION_RELEASE_PIN_A        | 糸緩めピン (A)          | (2) |
| 8      |      | B3112-704-000 | TENSION_SPRING_BUSHING       | ばねブッシュ             | (2) |
| 9      |      | 401-12204     | TENSION_RELEASE_LEVER        | 皿浮かしレバー            | (1) |
| 10     |      | 401-12218     | DISK_RELEASE_PLATE_A         | 皿浮かし板A             | (1) |
| 11     |      | 401-12219     | DISK_RELEASE_PLATE_B         | 皿浮かし板B             | (1) |
| 12     |      | 401-26404     | ASSY_TENSION_BASE_PLATE_2810 | 糸調子板(組)2810        | (1) |
| 13     |      | 401-26724     | TENSION_DISC_HOLDER          | 糸調子皿押さえ            | (2) |
| 14     |      | 106-97506     | THREAD_TENSION_BRACKET       | 糸取ばね調節板 (A)        | (1) |
| 15     |      | B3137-527-0A0 | TAKE-UP_SPRING_GUIDE_ASM.    | 糸取ばね案内(組)          | (1) |
| 16     |      | 226-17807     | NUT                          | 糸取ばね軸ナット           | (1) |
| 17     | ★    | 129-38304     | TENSION_SPRING               | 糸調子ばね              | (2) |
| 18     |      | 225-28806     | PRE_TENSION_POST             | 糸調子棒               | (1) |
| 19     |      | 229-45703     | THREAD_TENSION_NUT           | 第一糸調子ナット           | (1) |
| 20     | ★    | 229-63409     | THREAD_TENSION_SPRING        | 第一糸調子ばね            | (1) |
| 21     |      | 225-29408     | BOBBIN_THREAD_GUIDE          | 糸巻き糸案内             | (1) |
| 22     |      | 229-45802     | THREAD_TENSION_DISK          | 第一糸調子皿             | (1) |
| 23     |      | NS-6110310-SP | NUT_11/64-40                 | 六角ナット 11/64-40     | (1) |
| 24     | ★    | 226-18706     | THREAD_TAKE-UP_SPRING_A      | 糸取ばねA              | (1) |
| 25     |      | 103-20109     | SCREW_STUD                   | 糸取ばね軸              | (1) |
| 26     |      | RO-0371801-00 | O-RING                       | Oリング               | (5) |
| 27     |      | SD-0450401-SP | HINGE_SCREW_D=4.5_H=4        | 段ねじ D=4.5 H=4      | (5) |
| 28     |      | SS-3090710-TP | SCREW_9/64-40_L=7            | 丸ねじ 9/64-40 L=7    | (1) |
| 29     |      | SS-4110615-SP | SCREW_11/64-40_L=6           | なべ丸ねじ 11/64-40 L=6 | (1) |
| 30     |      | WP-0501016-SD | WASHER_5X10.5X1              | 平座金 5X10.5X1       | (1) |
| 31     |      | B3126-012-000 | THREAD_TENSION_DISK          | 糸調子皿               | (4) |
| 32     |      | WP-0460556-SD | WASHER_4.6X7.5X0.5           | 平座金 4.6X7.5X0.5    | (1) |
| 33     |      | SM-4051001-SN | SCREW_M5                     | なべ小ねじ M5X0.8 L=10  | 3   |
| 34     |      | SS-8661012-TP | SCREW                        | 止めねじ               | 1   |
| 35     |      | 225-28509     | FELT                         | 糸調子皿フェルト           | 1   |
| 36     |      | RE-0500000-K0 | E-RING                       | E形止め輪 5            | 1   |
| 37     |      | SM-4050855-SP | SCREW                        | なべねじ M5 L=8        | 1   |



## 17. TENSION RELEASE COMPONENTS

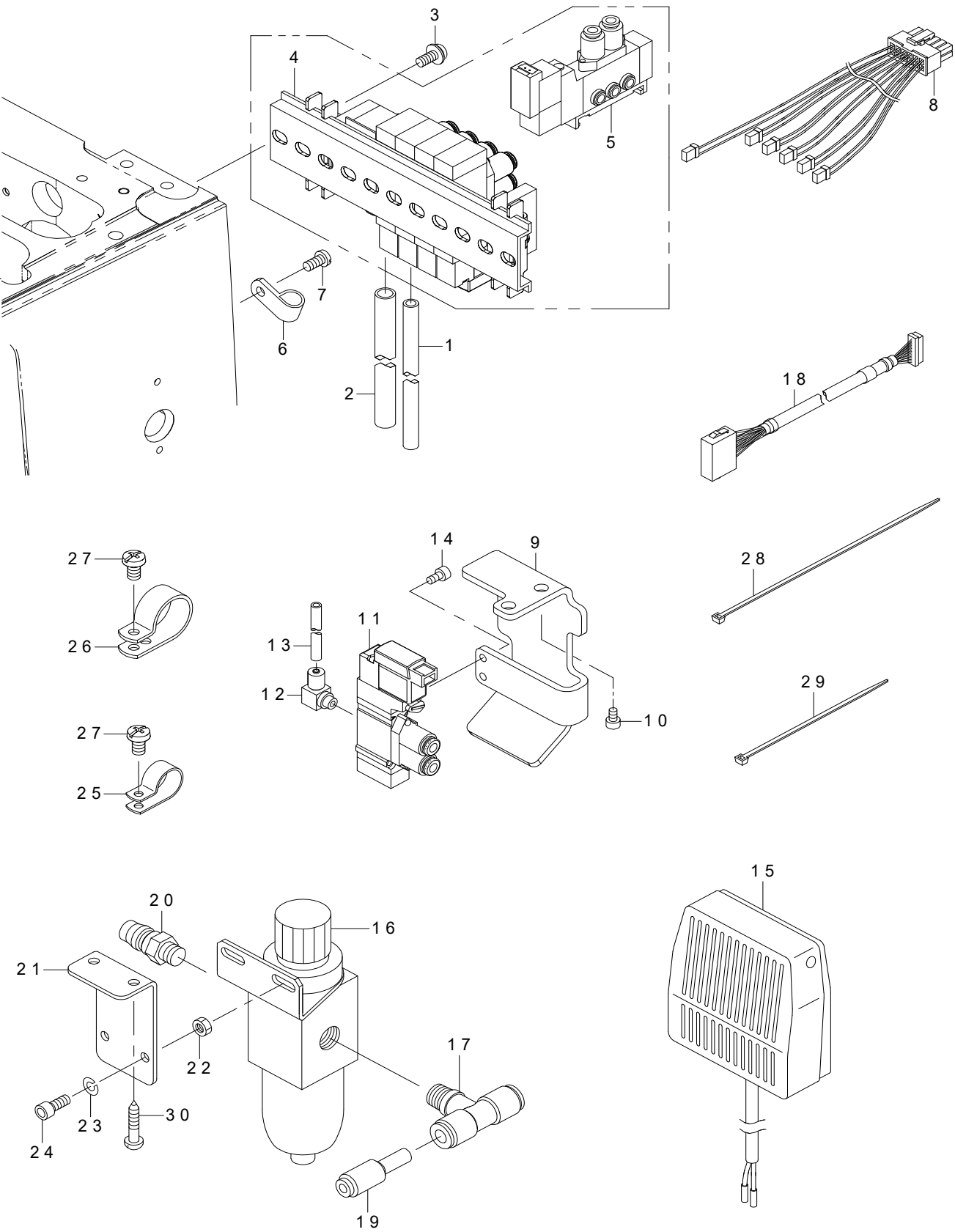
糸緩め関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                  | 品 名               | Qty |
|--------|------|---------------|------------------------------|-------------------|-----|
| 1      |      | 235-42418     | CLUTCH_LINK_PIN              | クラッチリンクピン         | 2   |
| 2      |      | 401-25948     | RELEASE_SOLENOID_LINK        | 皿浮かしソレノイドリンク      | 2   |
| 3      |      | 401-26263     | SOLENOID_LINK_MOUNTING_PLATE | ソレノイドリンク取付板       | 1   |
| 4      |      | 401-25949     | RELEASE_SOLENOID_BASE        | ソレノイド取付板          | 1   |
| 5      |      | SS-4090515-SP | SCREW_9/64-40_L=5            | なべねじ 9/64-40 L=5  | 2   |
| 6      |      | 320-55501     | AT_(UPPER)_SPRING            | AT (上) 戻しばね       | 2   |
| 7      |      | NM-6030001-SC | NUT_M3X0.5_TYPE1             | 六角ナット M3X0.5 1種   | 4   |
| 8      |      | SD-0550271-TP | HINGE_SCREW_D=5.5_H=2.7      | 段ねじ D=5.5 H=2.7   | 2   |
| 9      |      | SM-6030602-TP | SCREW_M3X0.5_L=6             | 六角穴ボルト M3X0.5 L=6 | 8   |
| 10     |      | WP-0320501-SE | WASHER_3.2X7X0.5             | 平座金みがき丸 M3        | 8   |
| 11     |      | 401-12285     | TENSION_RELEASE_SOLENOID     | 糸緩めソレノイド          | 2   |
| 12     |      | SM-4051255-SP | SCREW_M5_L=12                | なべねじ M5 L=12      | 4   |
| 13     |      | 401-26563     | STOPPER_PLATE                | 止め板               | 2   |
| 14     |      | 401-26562     | RUBBER HOLDER                | ゴム支え板             | 2   |
| 15     |      | 400-86679     | WIPER_STOPPER_RUBBER         | ワイパーストッパーゴム       | 4   |
| 16     |      | EA-9500B01-00 | CABLE_BAND                   | 束線バンド             | 1   |

18. PNEUMATIC COMPONENTS

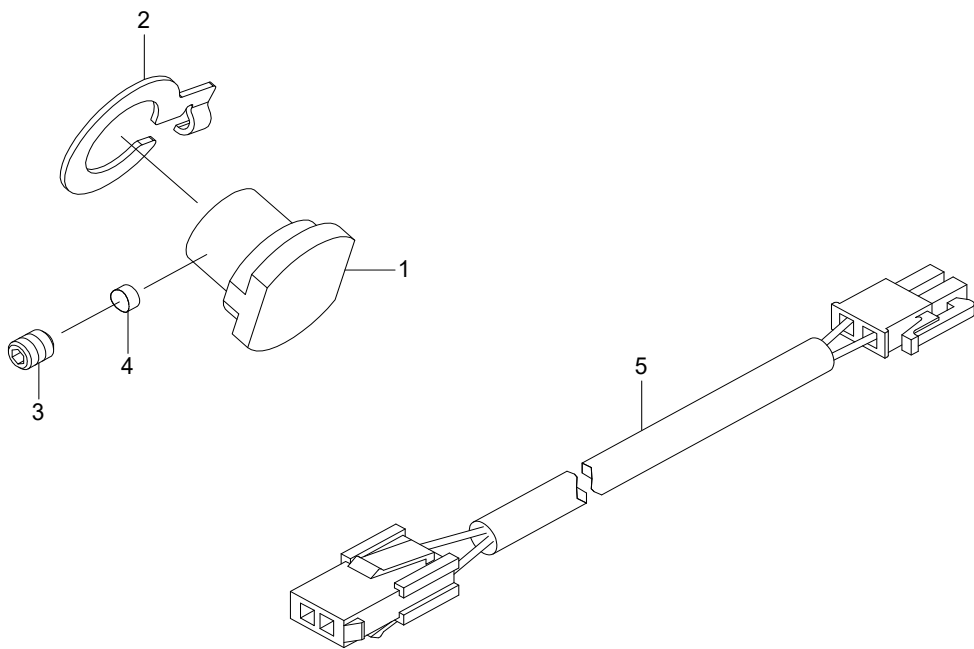
空圧関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                    | 品 名                | Qty |
|--------|------|---------------|--------------------------------|--------------------|-----|
| 1      |      | BT-0600401-EB | TUBE                           | チューブ               | 1.1 |
| 2      |      | BT-0800501-EB | VINYL_TUBE                     | チューブ               | 1.1 |
| 3      |      | SL-4041091-SC | SCREW M4 L=10                  | 座金付きなべ小ねじ M4 L=10  | 2   |
| 4      |      | 401-26545     | SOLENOID_VALVE_ASSY            | マニホールドバルブ          | 1   |
| 5      |      | PV-1502090-00 | 5_PORT_SOLENOID_VALVE          | 5ポート電磁弁            | 1   |
| 6      |      | HX-0015000-0C | CABLE_CLIP                     | 束線パーツ              | 1   |
| 7      |      | SM-4040855-SP | SCREW                          | なべねじ               | 1   |
| 8      |      | 401-37611     | SOLENOID_VALVE_CABLE_ASM       | 電磁弁ケーブル(組)         | 1   |
| 9      |      | 401-47925     | SOLENOID_VALVE_COVER           | 電磁弁カバー             | 1   |
| 10     |      | SM-6050802-TP | SCREW_M5X0.8_L=8               | 六角穴ボルト M5X0.8 L=8  | 2   |
| 11     |      | PV-1502060-00 | 5-PORT_CUT-OVER_SOLENOID_VALVE | 5ポート電磁切替え弁         | 1   |
| 12     |      | PJ-0460525-03 | HOSE_ELBOW                     | ホースエルボ             | 1   |
| 13     |      | BT-0400251-EB | URETHANE_HOSE_BLACK            | ウレタンホース 黒          | 1.1 |
| 14     |      | SM-6030602-TP | SCREW_M3X0.5_L=6               | 六角穴ボルト M3X0.5 L=6  | 2   |
| 15     |      | 401-43553     | KNEE_SW_ASM.                   | 膝スイッチ(組)           | 1   |
| 16     |      | PF-0551070-00 | FILTER_REGULATOR               | フィルタレギュレータ         | 1   |
| 17     |      | PJ-3050651-07 | DOUBLE-ENDED T UNION           | 両口チーズユニオン          | 1   |
| 18     |      | 401-26127     | AIR_VALVE_RELAY_CABLE_ASM      | 電磁弁中継ケーブル(組)       | 1   |
| 19     |      | PJ-3010400-01 | REDUCER                        | レジューサ              | 1   |
| 20     |      | PJ-0251000-03 | PLUG                           | プラグ                | 1   |
| 21     |      | 138-60408     | REGULATOR_BRACKET              | レギュレータ取付板          | 1   |
| 22     |      | NM-6050001-SP | NUT_M5                         | 六角ナット M5X0.8 1種    | 2   |
| 23     |      | WS-0510002-KN | SPRING_WASHER_M5               | ばね座金 M5            | 2   |
| 24     |      | SM-6051202-TP | SCREW_M5X0.8_L=12              | 六角穴ボルト M5X0.8 L=12 | 2   |
| 25     |      | HX-0015000-0H | CABLE_CLIP                     | ケーブルクリップ           | 1   |
| 26     |      | HX-0015000-0M | CABLE_CLIP                     | ケーブルクリップ           | 1   |
| 27     |      | SM-4040855-SP | SCREW                          | なべねじ               | 2   |
| 28     |      | EA-9500B02-00 | CABLE_BAND_150                 | 結束バンド 150          | 3   |
| 29     |      | EA-9500B01-00 | CABLE_BAND                     | 束線バンド              | 2   |
| 30     |      | SK-3482001-SE | WOOD_SCREW_D=4.8_L=20          | 丸木ねじ D=4.8 L=20    | 2   |

19. NEEDLE THREAD CLAMP COMPONENTS

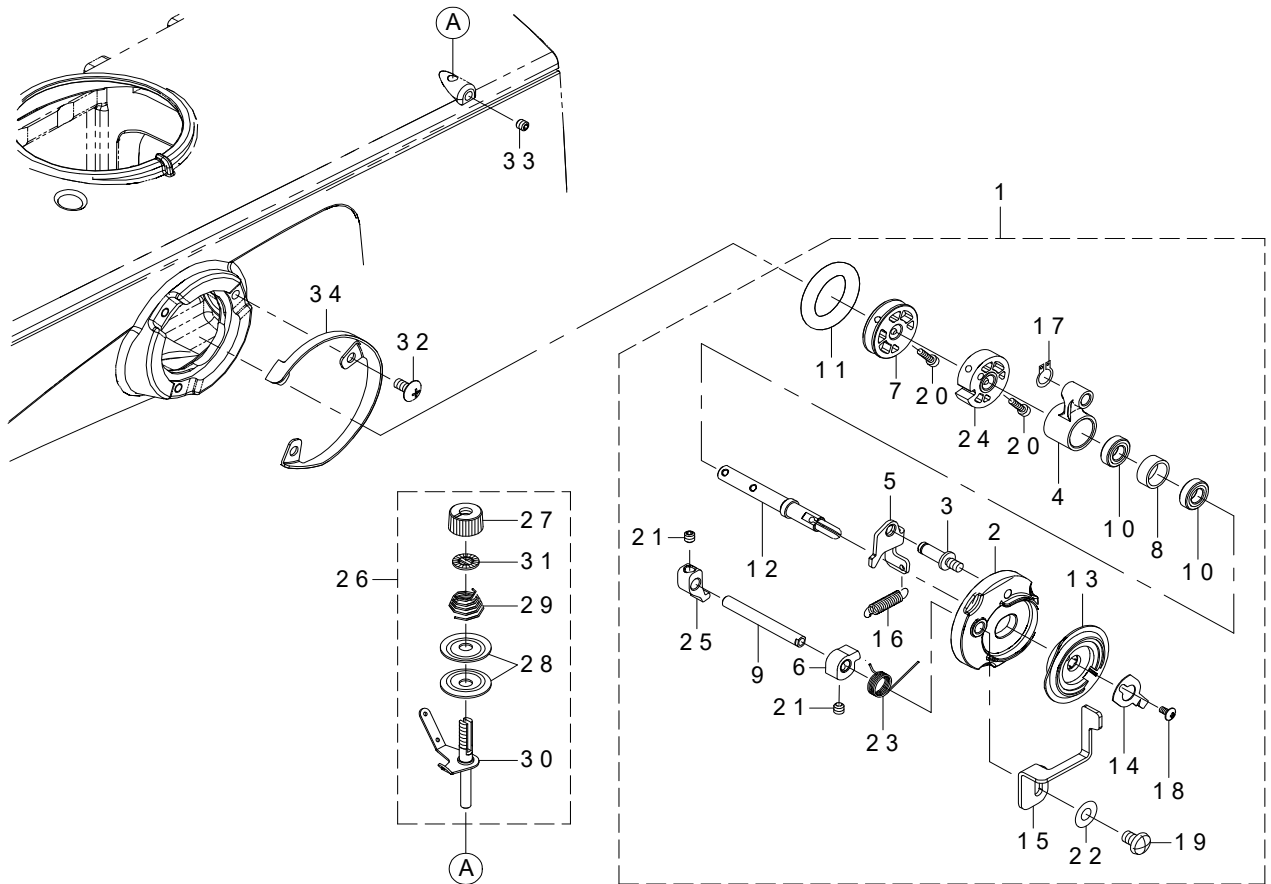
上糸つかみ関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                 | 品 名                | Qty |
|--------|------|---------------|-----------------------------|--------------------|-----|
| 1      |      | 401-31641     | THREAD_CATCHER_ASM.         | 糸つかみソレノイド          | 1   |
| 2      |      | 401-37971     | SOLENOID_CABLE HOLDER       | 糸つかみソレノイドケーブル押え    | 1   |
| 3      |      | SM-8050612-TP | SCREW_M5X6                  | 止めねじ M5X0.8 L=6    | 1   |
| 4      |      | 401-49044     | SOLENOID_SPACER             | ソレノイドスペーサー         | 1   |
| 5      |      | 401-49304     | TC_SOLENOID_RELAY_CABLE_ASM | 糸つかみソレノイド中継ケーブル(組) | 1   |

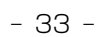
## 20. BOBBIN WINDER COMPONENTS

### 糸巻き装置関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                    | 品 名                | Qty |
|--------|------|---------------|--------------------------------|--------------------|-----|
| 1      |      | 401-26355     | BOBBIN_WINDER_UNIT             | 糸巻き装置(組)           | 1   |
| 2      |      | 262-60109     | BTW_BASE                       | 糸巻き取付台             | (1) |
| 3      |      | 262-60307     | BTW_BASE_SHAFT                 | 糸巻き調節板軸            | (1) |
| 4      |      | 262-60406     | BTW_SHAFT_BASE                 | 糸巻き腕               | (1) |
| 5      |      | 401-26594     | BTW_CAM_PLATE                  | 糸巻き調節板             | (1) |
| 6      |      | 262-60505     | BTW_CAM_LEVER                  | 糸巻きカム              | (1) |
| 7      |      | 401-25851     | WINDER_WHEEL                   | 糸巻き車               | (1) |
| 8      |      | 262-60802     | BTW_BEARING_SPACER             | 糸巻きベアリングスペーサー      | (1) |
| 9      |      | 262-61008     | BTW_LEVER_SHAFT                | 糸巻きレバー軸            | (1) |
| 10     |      | 401-26354     | WINDER_BEARING                 | ベアリング              | (1) |
| 11     | ☆    | 262-61503     | BTW_WHEEL_RUBBER               | 糸巻き摩擦車             | (1) |
| 12     |      | 401-26550     | BOBBIN_SHAFT                   | 糸巻き軸               | (1) |
| 13     |      | 401-25927     | BOBBIN_BASE                    | ボビン座               | (1) |
| 14     |      | 401-26311     | WINDER_CUTTER                  | 糸巻きカッター            | (1) |
| 15     |      | 401-51791     | BOBBIN_LEVER                   | ボビンレバー             | (1) |
| 16     |      | 137-18507     | SPRING                         | 変換引っ張りばね           | (1) |
| 17     |      | RC-0560711-KP | RETAINING_RING                 | C形止め輪              | (1) |
| 18     |      | SM-0030601-SC | SCREW M3X6                     | トラスねじ M3X6         | (1) |
| 19     |      | SM-5040655-SN | SCREW                          | バインドねじ             | (1) |
| 20     |      | SM-6031202-TP | SCREW M3X0.5 L=12              | 六角穴ボルト M3X0.5 L=12 | (1) |
| 21     |      | SM-8050502-TP | SCREW M5 L=5                   | 止めねじ               | (2) |
| 22     |      | WP-0450826-SC | WASHER 4.5X10X0.8              | 平座金 4.5X10X0.8     | (1) |
| 23     |      | 401-26549     | HELICAL_TORSION_COIL_SPRING    | ねじりコイルばね           | (1) |
| 24     |      | 401-25928     | WINDER_LATCH_CAM               | 糸巻き爪カム             | (1) |
| 25     |      | 401-25844     | WINDER_LATCH_B                 | 糸巻き爪B              | (1) |
| 26     |      | 400-88958     | BOBBIN_THREAD_TENSION_ASM.     | 糸巻糸調子(組)           | 1   |
| 27     |      | 229-21308     | THREAD_TENSION_NUT             | 糸調子ナット             | (1) |
| 28     |      | 229-21506     | THREAD_TENSION_DISK            | 糸調子皿               | (1) |
| 29     | ☆    | 229-21704     | THREAD_TENSION_SPRING_A        | 糸調子ばね (A)          | (1) |
| 30     |      | 400-88959     | BOBBIN_THREAD_TENSION_ROD_ASM. | 糸巻糸調子棒 (結合)        | (1) |
| 31     |      | 229-21407     | ROTATION_STOPPER               | 糸調子皿回転止め           | (1) |
| 32     |      | SM-0051001-SC | SCREW M5X10                    | トラスねじ M5X10        | 3   |
| 33     |      | SM-8051002-TP | SCREW M5 L=10                  | 止めねじ               | 1   |
| 34     |      | 401-52022     | BTW_GUARD                      | 糸巻き装置ガード           | 1   |

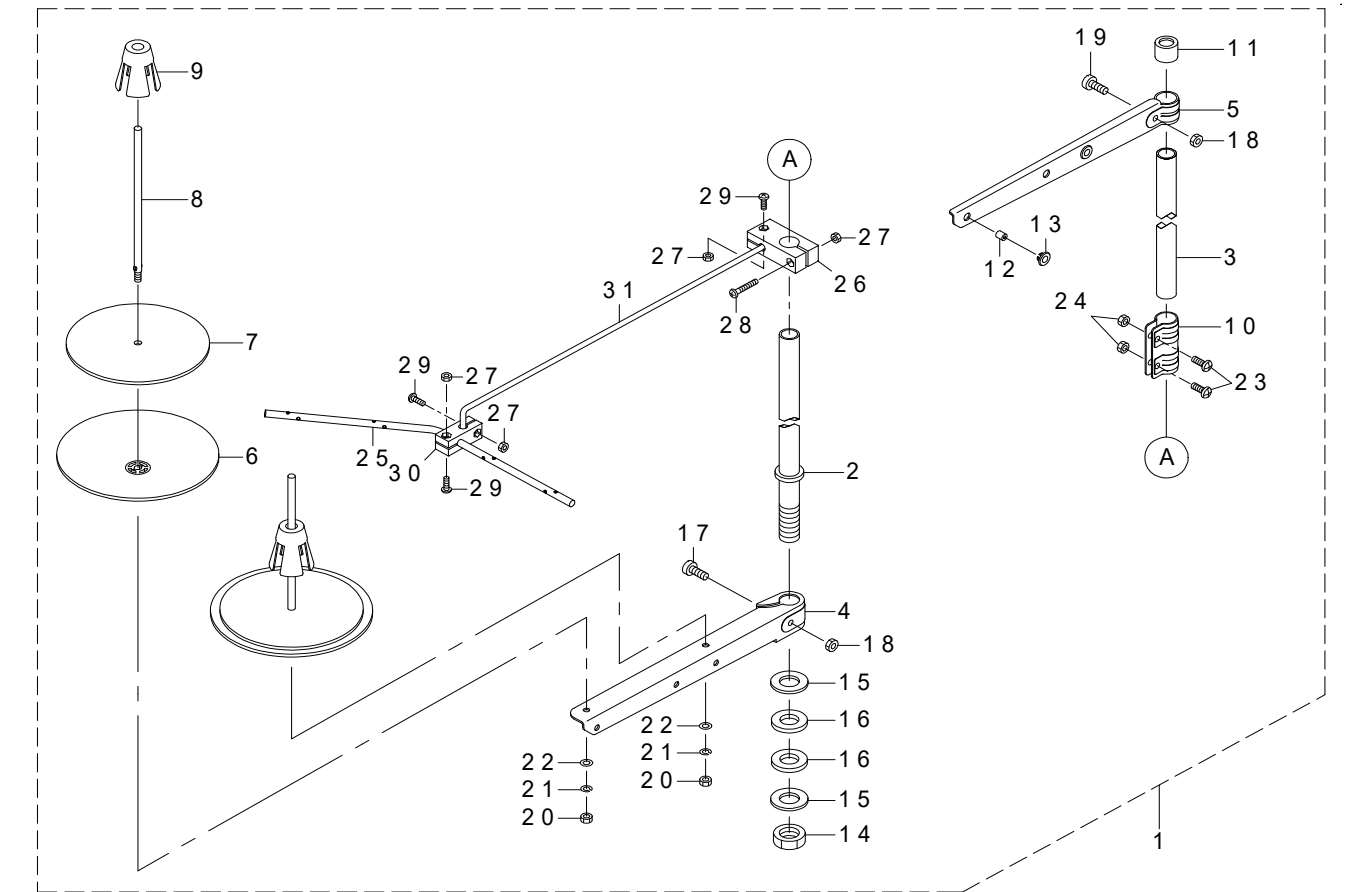
給油関係



| REF.NO | NOTE | PART NO       | DESCRIPTION           | 品 名                | Qty  |
|--------|------|---------------|-----------------------|--------------------|------|
| 1      |      | 401-12320     | FELT                  | フェルト               | 1    |
| 2      |      | 131-42609     | OIL_TUBE HOLDER       | パイプ止め              | 5    |
| 3      |      | 236-30007     | TUBE                  | チューブ               | 0.1  |
| 4      |      | 236-30007     | TUBE                  | チューブ               | 0.4  |
| 5      |      | 236-30007     | TUBE                  | チューブ               | 0.12 |
| 6      |      | 236-30007     | TUBE                  | チューブ               | 0.08 |
| 7      |      | 236-30007     | TUBE                  | チューブ               | 0.31 |
| 8      |      | 236-30007     | TUBE                  | チューブ               | 0.4  |
| 9      |      | 236-30007     | TUBE                  | チューブ               | 0.02 |
| 10     |      | 236-30007     | TUBE                  | チューブ               | 0.22 |
| 11     |      | 236-30106     | TUBE_B                | チューブB              | 0.32 |
| 12     |      | 229-35308     | MAGNET_CORD RUBBER    | マグコードゴム            | 3    |
| 13     |      | 137-65607     | OIL_CONNEC_ARM        | 給油連結腕              | 1    |
| 14     |      | 401-12318     | OIL_SUPPLY_FELT       | 釜給油フェルト            | 1    |
| 15     |      | 401-12246     | OIL_SUPPLY            | 給油ベース              | 1    |
| 16     |      | SM-6040802-TP | SCREW_M4X0.7 L=8      | 六角穴ボルト             | 4    |
| 17     |      | 400-69741     | OIL_REGULATING_VALVE  | 釜油量調節弁             | 1    |
| 18     |      | B1843-563-000 | OIL_ADJUSTING_SCREW   | 釜油量調節ねじ            | 1    |
| 19     |      | NS-6110310-SP | NUT_11/64-40          | 六角ナット 11/64-40     | 1    |
| 20     |      | WP-0450846-SP | WASHER                | 平座金                | 2    |
| 21     |      | 400-28294     | FEED_ADJUSTING_CAP    | 送り調節体キャップ          | 1    |
| 22     |      | SM-6040802-TP | SCREW M4X0.7 L=8      | 六角穴ボルト             | 1    |
| 23     |      | 236-28357     | FLOATER ASM.          | 浮き子(組)             | 1    |
| 24     |      | 400-36167     | OIL_GAGE              | オイルゲージ             | 1    |
| 25     |      | CQ-3030000-00 | OIL_WICK              | 油芯                 | 0.26 |
| 26     |      | 236-30106     | TUBE_B                | チューブ B             | 0.09 |
| 27     |      | 236-30650     | OIL_FILTER_JOINT_ASM. | オイルフィルタージョイント(組)   | 2    |
| 28     | ☆    | 236-30403     | OIL_FILTER_STOPPER    | オイルフィルター           | (1)  |
| 29     |      | 236-30502     | OIL_FILTER            | オイルフィルター止め         | (1)  |
| 30     |      | 236-30601     | OIL_FILTER_JOINT      | オイルフィルタージョイント      | (1)  |
| 31     |      | 236-30601     | OIL_FILTER_JOINT      | オイルフィルタージョイント      | 6    |
| 32     |      | 236-30106     | TUBE_B                | チューブB              | 0.03 |
| 33     |      | 236-29405     | PIPE_STOPPER_B        | パイプ止め B            | 8    |
| 34     |      | 400-32804     | BASE                  | 油分配台               | 1    |
| 35     |      | 401-25929     | OIL_TANK              | オイルタンク             | 1    |
| 36     |      | 400-13595     | OIL_EXIT_CAP          | 廃油キャップ             | 1    |
| 37     |      | RO-0982401-00 | RUBBER_RING           | Oリング               | 1    |
| 38     |      | SL-6051092-TN | SCREW M5 L=10         | 座金付き六角穴ボルト M5 L=10 | 3    |
| 39     |      | SM-8050412-TP | SCREW M5 L=4          | 止めねじ M5 L=4        | 1    |
| 40     |      | 401-69706     | ECCENTRIC_CAM         | プランジャー偏心カム         | 1    |
| 41     |      | 401-01719     | PUMP_BASE_ASSY        | ポンプ体(総組)           | 1    |
| 42     |      | 401-02249     | PUMP_BASE_ASM.        | ポンプ体(組)            | (1)  |
| 43     |      | 401-01715     | PUMP_BASE_TOP         | ポンプ体(上側)           | (1)  |
| 44     |      | 401-01716     | PUMP_BASE_BOTTOM      | ポンプ体(下側)           | (1)  |
| 45     |      | 401-01717     | GASKET_SHEET          | バルブシート             | (1)  |
| 46     |      | SM-6031202-TP | SCREW_M3X0.5 L=12     | 六角穴ボルト             | (4)  |
| 47     |      | 401-01713     | OVAL_PLUNGER          | 楕円型プランジャー          | (2)  |
| 48     |      | 401-16455     | OVAL_O_RING           | 楕円型Oリング            | (4)  |
| 49     |      | 401-16456     | SPRING                | プランジャーばね           | (2)  |
| 50     |      | 401-16457     | FREE_VALVE            | フリーバルブ             | (2)  |
| 51     |      | 401-16458     | SPRING                | バルブばね              | (2)  |
| 52     |      | 401-16459     | CONNECTING_SCREW      | パイプ連結ねじ            | (2)  |
| 53     |      | 401-01714     | PLUNGER_HOLD_PLATE    | プランジャー支え板          | (1)  |
| 54     |      | HX-0015000-0M | CABLE_CLIP            | ケーブルクリップ           | 1    |
| 55     |      | SL-4041091-SC | SCREW M4 L=10         | 座金付きなべ小ねじ M4 L=10  | 1    |
| 56     |      | EA-9500B01-00 | CABLE_BAND            | 束線バンド              | 3    |
| 57     |      | SQ-2050452-MZ | CONNECTING_SCREW      | パイプ連結ねじ            | 1    |
| 58     |      | B1843-563-000 | OIL_ADJUSTING_SCREW   | 釜油量調節ねじ            | 1    |
| 59     |      | 401-26582     | RUBBER_PLUG           | ゴム止め栓              | 1    |
| 60     |      | NM-6050003-SC | NUT_M5X0.8            | 六角ナット              | 1    |
| 61     |      | SM-6061802-TP | SCREW_M6 L=18         | 六角穴ボルト             | 1    |
| 62     |      | 236-30007     | TUBE                  | チューブ               | 0.06 |
| 63     |      | NS-6110310-SP | NUT_11/64-40          | 六角ナット 11/64-40     | 1    |
| 64     |      | 236-30007     | TUBE                  | チューブ               | 0.33 |
| 65     |      | CQ-2020000-00 | COTTON_OIL_WICK_D=2   | 木綿油芯 D=2           | 0.05 |
| 66     |      | 131-42609     | OIL_TUBE HOLDER       | パイプ止め              | 5    |
| 67     |      | SM-6041802-TP | SCREW_M4 L=18         | 六角穴ボルト M4 L=18     | 1    |
| 68     |      | CQ-2020000-00 | OIL_WICK              | 油芯                 | 0.18 |
| 69     |      | 110-15906     | OIL WICK              | 下軸前止めねじ油芯          | 2    |
| 70     |      | 236-30007     | TUBE                  | チューブ               | 0.03 |
| 71     |      | 236-30007     | TUBE                  | チューブ               | 0.05 |
| 72     |      | 236-30106     | TUBE_B                | チューブ B             | 0.09 |
| 73     |      | CQ-3030000-00 | OIL_WICK              | 油芯                 | 0.26 |
| 74     |      | 122-10803     | SPRING                | 揺動桿押えばね            | 2    |
| 75     |      | 236-30007     | TUBE                  | チューブ               | 0.1  |
| 76     |      | 236-30007     | TUBE                  | チューブ               | 0.04 |
| 77     |      | 401-69707     | PUMP_SPACER           | ポンプスペーサ            | 1    |

22. THREAD STAND COMPONENTS

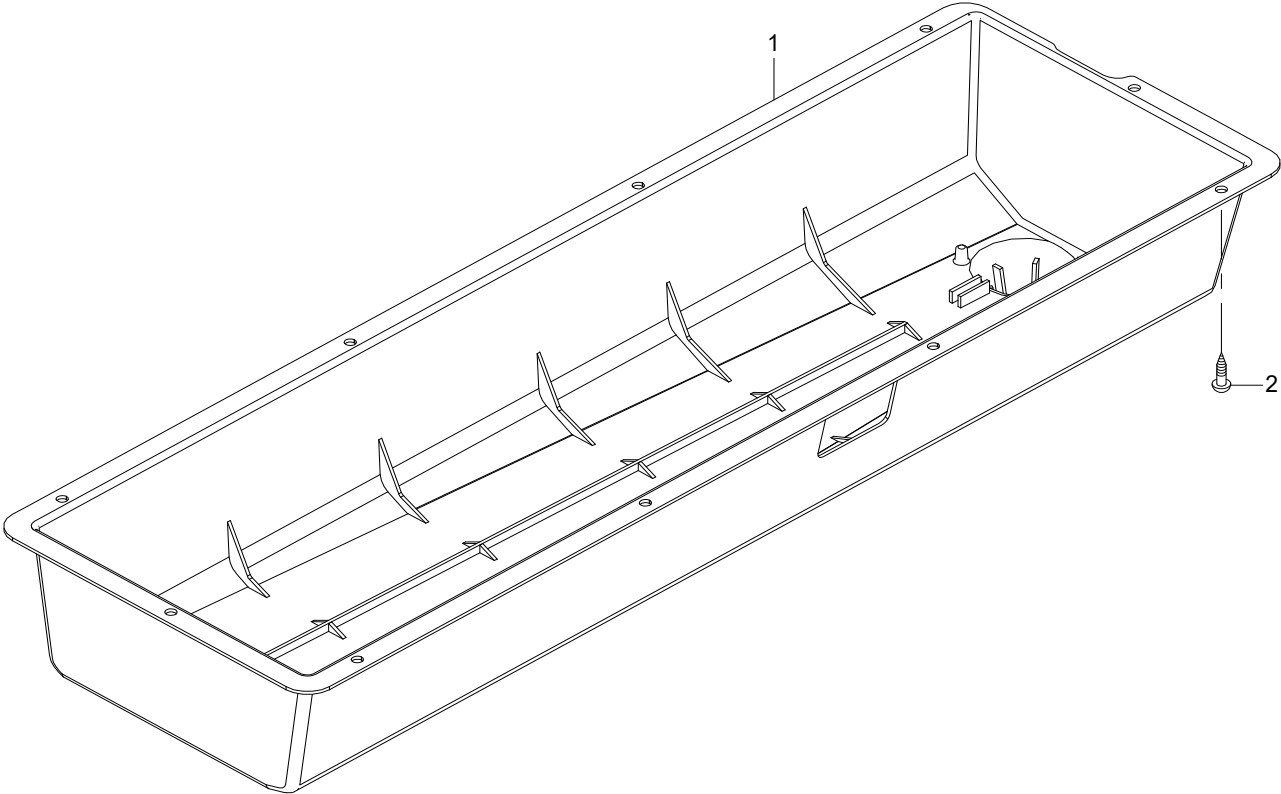
糸立装置関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                   | 品 名               | Qty |
|--------|------|---------------|-------------------------------|-------------------|-----|
| 1      |      | 401-42213     | THREAD_STAND_PACKING          | 糸立装置              | 1   |
| 2      |      | 400-85784     | SPOOL_REST_ROD_LOWER          | 糸立棒 (下)           | (1) |
| 3      |      | 400-85785     | SPOOL_REST_ROD_UPPER          | 糸立棒 (上)           | (1) |
| 4      |      | 400-85786     | SPOOL_REST_ARM_LOWER          | 糸立腕 (下)           | (1) |
| 5      |      | 400-85787     | SPOOL_REST_ARM_UPPER          | 糸立腕 (上)           | (1) |
| 6      |      | 400-85788     | SPOOL_REST                    | 糸巻受皿              | (2) |
| 7      |      | 400-85789     | SPOOL_REST_CUSHION            | 糸巻受皿クッション         | (2) |
| 8      |      | 400-85790     | SPOOL_PIN                     | 糸巻受棒              | (2) |
| 9      |      | 400-85791     | SPOOL_RETAINER                | 糸巻振れ止め            | (2) |
| 10     |      | 400-85792     | SPOOL_REST_ROD_JOINT          | 糸立棒継手             | (1) |
| 11     |      | 400-85793     | SPOOL_REST_ROD_RUBBER_CAP     | 糸立棒保護キャップ         | (1) |
| 12     |      | 400-85794     | THREAD_GUIDE                  | 糸道                | (2) |
| 13     |      | 400-85795     | THREAD_GUIDE_BUSHING          | 糸道ブッシュ            | (2) |
| 14     |      | 400-96325     | SPOOL_REST_ROD_NUT            | 糸立棒止ナット           | (1) |
| 15     |      | WP-1612616-SE | WASHER_16X30X2.6              | 平座金               | (2) |
| 16     |      | 400-85796     | SPOOL_REST_ROD_RUBBER_CUSHION | 糸立棒防振ゴム           | (2) |
| 17     |      | 400-96326     | SPOOL_REST_ARM_LOWER_SCREW    | 糸立腕 (下) 止めねじ      | (1) |
| 18     |      | NM-6050001-SE | NUT M5X0.8 TYPE1              | 六角ナット M5X0.8 1種   | (2) |
| 19     |      | 400-96327     | SPOOL_REST_ARM_UPPER_SCREW    | 糸立腕 (上) 止めねじ      | (1) |
| 20     |      | NM-6050001-SE | NUT M5X0.8 TYPE1              | 六角ナット M5X0.8 1種   | (2) |
| 21     |      | WS-0510002-KN | SPRING_WASHER_M5              | ばね座金 M5           | (2) |
| 22     |      | WP-0531001-SC | WASHER_M5                     | 平座金みがき丸 M5        | (2) |
| 23     |      | SM-4051405-SE | SCREW_M5_L=14                 | なべ小ねじ M5 L=14     | (2) |
| 24     |      | NM-6050001-SE | NUT M5X0.8 TYPE1              | 六角ナット M5X0.8 1種   | (2) |
| 25     |      | 401-06582     | THREAD_GUIDE_4                | 糸立糸案内下 (4本糸)      | (1) |
| 26     |      | 401-06579     | THREAD_GUIDE_ARM_BASE         | 糸立糸案内腕台           | (1) |
| 27     |      | NM-6040002-SC | NUT_M4X0.7 TYPE2              | 六角ナット M4X0.7 2種   | (4) |
| 28     |      | SM-4042501-SC | SCREW_M4X0.7_L=25             | なべ小ねじ M4X0.7 L=25 | (1) |
| 29     |      | SM-4041201-SC | SCREW_M4X0.7_L=12             | なべ小ねじ M4X0.7 L=12 | (3) |
| 30     |      | 401-06580     | THREAD_GUIDE_UNDER_BASE       | 糸立糸案内下台           | (1) |
| 31     |      | 401-06576     | THREAD_GUIDE_ARM              | 糸立糸案内腕            | (1) |



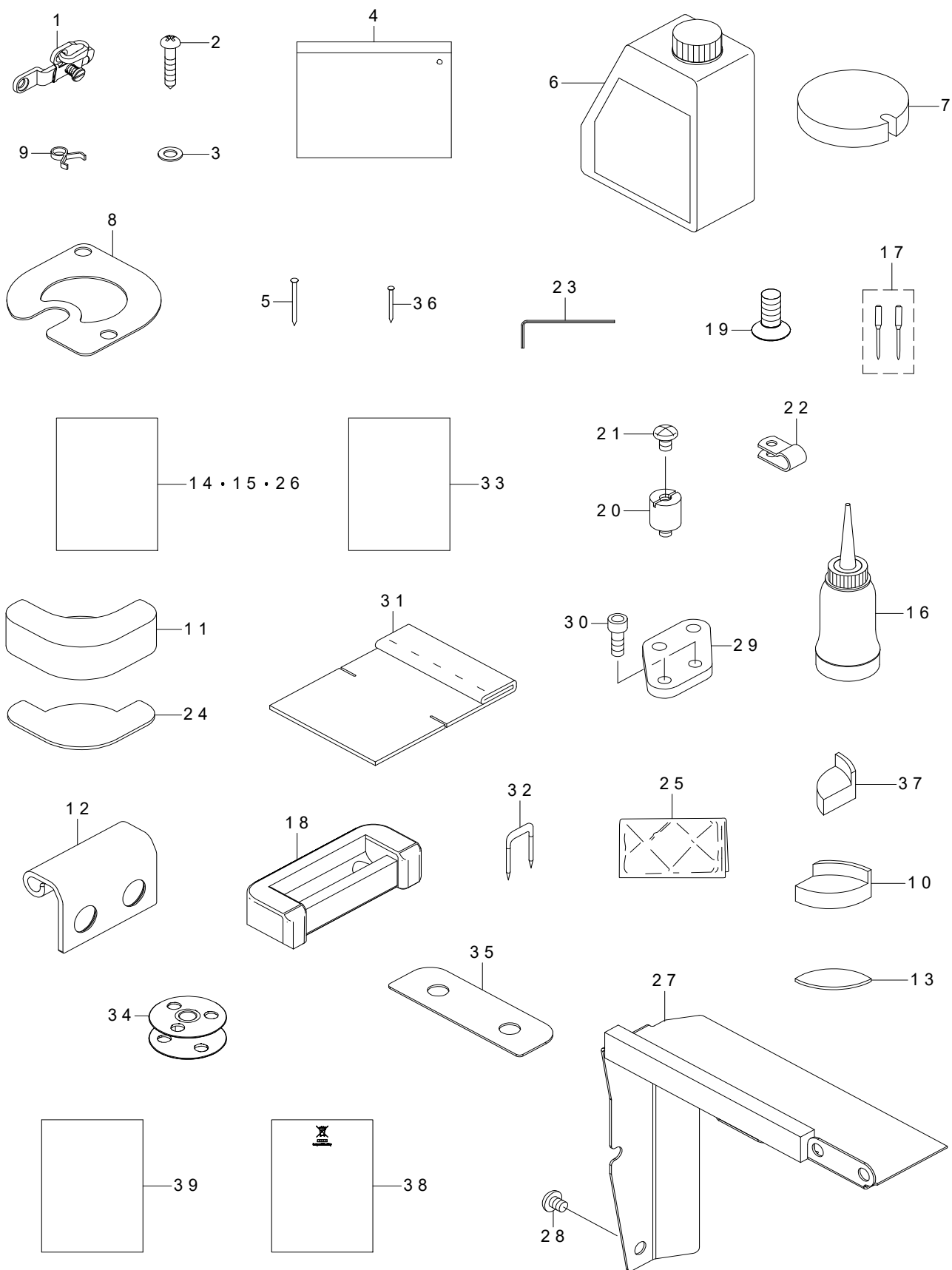
23. BOTTOM COVER COMPONENTS  
ボトムカバー関係



| REF.NO | NOTE | PART NO       | DESCRIPTION           | 品 名               | Qty |
|--------|------|---------------|-----------------------|-------------------|-----|
| 1      |      | 401-26155     | OIL_PAN               | オイルパン             | 1   |
| 2      |      | SK-3482001-SE | WOOD SCREW D=4.8 L=20 | 丸木ねじ D=4. 8 L=2 0 | 10  |

## 24. ACCESSORIES PARTS COMPONENTS

付属品関係



| REF.NO | NOTE | PART NO       | DESCRIPTION                                                 | 品 名                  | Qty |
|--------|------|---------------|-------------------------------------------------------------|----------------------|-----|
| 1      | ☆    | 400-34675     | THREAD_GUIDE_ASM_E                                          | 針糸押え(組)              | 1   |
| 2      |      | SK-3452501-SE | WOOD SCREW D=4.5 L=25                                       | 丸木ねじ D=4.5 L=25      | 4   |
| 3      |      | WP-0550800-SP | WASHER 5.5X10X0.8                                           | 平座金 5.5X10X0.8       | 4   |
| 4      |      | 214-13158     | ACCESSORY BAG ASM.                                          | 付属品バッグ(組)            | 1   |
| 5      |      | 105-39906     | SET NAIL                                                    | 止め釘                  | 6   |
| 6      |      | 401-02087     | JUKI CORPORATION_GENUINE_OIL_7                              | JUKI マシンオイル_7        | 1   |
| 7      |      | 401-26405     | OIL_FILTER                                                  | オイルフィルター             | 1   |
| 8      |      | 401-26267     | FELT HOLDER                                                 | フェルト押え               | 1   |
| 9      |      | 236-29306     | PIPE STOPPER A                                              | パイプ止めA               | 2   |
| 10     |      | 401-51804     | RUBBER_CUSHION_RIGHT                                        | ゴム座 右                | 1   |
| 11     |      | 401-51800     | CUSHION_RUBBER                                              | 防振ゴム                 | 2   |
| 12     |      | 401-25869     | HINGE                                                       | ヒンジ                  | 2   |
| 13     |      | 401-51805     | RUBBER_CUSHION_SHEET                                        | ゴム座シート               | 4   |
| 14     | #02  | 401-91732     | INSTRUCTION_MANUAL_CHINESE                                  | 取扱説明書 (中国語)          | 1   |
| 15     | #03  | 401-91730     | INSTRUCTION_MANUAL_4K                                       | 取扱説明書 (4ヶ国語)         | 1   |
| 16     |      | B9121-012-0A0 | OILER ASM.                                                  | 油差し (組)              | 1   |
| 17     | ☆    | MC-3210014-02 | NEEDLE 134-35 #140-2                                        | 針 134-35 #140-2      | 1   |
| 18     |      | 401-64521     | HINGE RUBBER                                                | ヒンジゴム                | 2   |
| 19     |      | B1516-210-D00 | SCREW                                                       | 押え板結合ねじ              | 4   |
| 20     |      | 401-26222     | CP_SPACER                                                   | CPスペーサー              | 2   |
| 21     |      | SM-4050855-SP | SCREW                                                       | なべねじ M5 L=8          | 2   |
| 22     |      | HX-0015000-0B | CABLE CLAMP                                                 | ケーブルクリップ             | 2   |
| 23     |      | 400-79298     | WRENCH                                                      | 六角棒レンチ               | 1   |
| 24     |      | 107-40900     | RUBBER                                                      | 防振ゴム                 | 8   |
| 25     |      | 400-48536     | HEAD_COVER                                                  | 頭部カバー                | 1   |
| 26     | #01  | 401-91731     | INSTRUCTION_MANUAL_9K                                       | 取扱説明書 (9ヶ国語)         | 1   |
| 27     |      | 401-49045     | OIL_SHIELD_PLATE_ASSY                                       | 油防板(組)               | 1   |
| 28     |      | SM-4050655-SP | SCREW M5 L=6                                                | なべ小ねじ M5 L=6         | 4   |
| 29     |      | 401-12214     | EDGE_GUIDE_FITTING_PLATE                                    | 吊り定規取付板              | 1   |
| 30     |      | SM-6051402-TP | SCREW M5X0.8 L=14                                           | 六角穴ボルト               | 2   |
| 31     |      | 401-33730     | OIL_FILTER                                                  | オイルフィルター             | 1   |
| 32     |      | MAO-11532000  | CORD STAPLE                                                 | コードステップル             | 3   |
| 33     |      | 401-89329     | PARTS_LIST_2828ES                                           | パーツリスト_2828ES        | 1   |
| 34     | ☆    | 401-47913     | BOBBIN                                                      | ボビン_XXL              | 1   |
| 35     |      | 401-63914     | HINGE SPACER                                                | ヒンジスペーサー             | 2   |
| 36     |      | 229-26208     | NAIL                                                        | ゴムヒンジ座打ち釘            | 2   |
| 37     |      | 401-51803     | RUBBER_CUSHION_LEFT                                         | ゴム座 左                | 1   |
| 38     | #01  | CM-6001002-01 | WEEE INFORMATION SHEET                                      | WEEE インフォメーション シート   | 1   |
| 39     | #01  | 401-42430     | DECLARATION OF INCORPORATION (LU2800)                       | 組込宣言書 (LU2800)       | 1   |
|        |      | NOTE(注記)      | #01.....FOR JE<br>#02.....FOR CHINA<br>#03.....EXCEPT CHINA | JE 用<br>中国用<br>中国を除く |     |

## 変更情報リスト

As to the place changed, refer to the corresponding Rev. No.  
When previous parts (Obsoleted part) and new parts (Added parts) are  
not interchangeable with each other:  
In this case, even obsoleted parts (D.) can be ordered with the  
obsoleted part number, so select the parts with changed dates and  
place your orders.

変更箇所は、該当 Rev. No. 版をご参照ください。  
部品の互換性がない変更の場合は、削除された品番でも、ご注文できます。

No. 1704-04 . . . Rev. No.

[illegible]

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| BT-0600401-EB | 30        | 13        | E8760-452-D00 | 24        | 11        | RO-0371801-00 | 27        | 26        | SM-6030602-TP | 26        | 23        |
| BT-0800501-EB | 30        | 2         |               |           |           | RO-0922702-00 | 20        | 23        | SM-6030602-TP | 28        | 9         |
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| B1111-563-000 | 2         | 35        |               |           |           | RO-0982401-00 | 34        | 37        | SM-6031202-TP | 32        | 20        |
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| 401-23414     | 14        | 39        | 401-26642     | 20        | 46        | 401-43221     | 6         | 12        | 401-51804     | 38        | 10        |
| 401-23547     | 18        | 16        | 401-26643     | 20        | 47        | 401-43553     | 30        | 15        | 401-51805     | 38        | 13        |
| 401-23626     | 18        | 14        | 401-26724     | 27        | 13        | 401-43581     | 8         | 50        | 401-52022     | 32        | 34        |
| 401-23629     | 18        | 68        | 401-27041     | 6         | 7         | 401-43624     | 20        | 36        | 401-53570     | 20        | 90        |
| 401-23666     | 18        | 1         | 401-27056     | 2         | 11        | 401-43624     | 20        | 69        | 401-53571     | 20        | 91        |
| 401-23667     | 18        | 4         | 401-30277     | 4         | 25        | 401-44283     | 16        | 5         | 401-53572     | 20        | 92        |
| 401-25843     | 18        | 13        | 401-30593     | 26        | 15        | 401-45548     | 14        | 42        | 401-54199     | 14        | 19        |
| 401-25844     | 32        | 25        | 401-30704     | 2         | 15        | 401-45549     | 14        | 43        | 401-54832     | 18        | 94        |
| 401-25850     | 14        | 50        | 401-30706     | 2         | 21        | 401-45550     | 14        | 44        | 401-54833     | 18        | 92        |
| 401-25851     | 32        | 7         | 401-31591     | 20        | 21        | 401-47912     | 12        | 1         | 401-60242     | 4         | 43        |
| 401-25854     | 14        | 9         | 401-31592     | 20        | 82        | 401-47913     | 12        | 21        | 401-63914     | 38        | 35        |
| 401-25856     | 18        | 22        | 401-31593     | 22        | 3         | 401-47913     | 38        | 34        | 401-64521     | 38        | 18        |
| 401-25857     | 18        | 25        | 401-31594     | 20        | 24        | 401-47915     | 10        | 3         | 401-69642     | 2         | 8         |
| 401-25864     | 20        | 22        | 401-31595     | 20        | 84        | 401-47918     | 2         | 10        | 401-69644     | 4         | 2         |
| 401-25867     | 14        | 22        | 401-31596     | 20        | 44        | 401-47919     | 2         | 23        | 401-69647     | 4         | 4         |
| 401-25869     | 38        | 12        | 401-31597     | 18        | 100       | 401-47925     | 30        | 9         | 401-69649     | 6         | 20        |
| 401-25872     | 22        | 4         | 401-31599     | 20        | 6         | 401-47926     | 26        | 46        | 401-69650     | 6         | 21        |
| 401-25873     | 27        | 4         | 401-31600     | 20        | 58        | 401-47927     | 26        | 39        | 401-69651     | 6         | 29        |
| 401-25876     | 14        | 71        | 401-31601     | 20        | 5         | 401-47929     | 26        | 45        | 401-69652     | 6         | 24        |
| 401-25920     | 20        | 39        | 401-31602     | 18        | 27        | 401-47930     | 26        | 5         | 401-69653     | 6         | 25        |
| 401-25926     | 14        | 46        | 401-31603     | 22        | 2         | 401-47932     | 26        | 57        | 401-69654     | 6         | 26        |
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| 401-25928     | 32        | 24        | 401-31605     | 20        | 83        | 401-47934     | 26        | 59        | 401-69657     | 6         | 3         |
| 401-25929     | 34        | 35        | 401-31607     | 18        | 104       | 401-47935     | 26        | 60        | 401-69658     | 6         | 4         |
| 401-25930     | 4         | 34        | 401-31608     | 22        | 6         | 401-47936     | 26        | 61        | 401-69659     | 6         | 2         |
| 401-25935     | 18        | 65        | 401-31609     | 20        | 30        | 401-47937     | 26        | 52        | 401-69662     | 8         | 2         |
| 401-25943     | 14        | 18        | 401-31610     | 20        | 38        | 401-47938     | 26        | 54        | 401-69664     | 8         | 5         |
| 401-25948     | 28        | 2         | 401-31617     | 26        | 29        | 401-47939     | 2         | 38        | 401-69665     | 8         | 34        |
| 401-25949     | 28        | 4         | 401-31619     | 18        | 98        | 401-47944     | 2         | 12        | 401-69666     | 8         | 32        |
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